

LBT-D670AV/N555AV

SERVICE MANUAL

US Model
Canadian Model
LBT-D670AV

AEP Model
UK Model
E Model
Australian Model
PX Model
LBT-N555AV

- LBT-D670AV/N555AV are composed of following models.
As for the service manual, it is issued for each component model,
then, please refer to it.

COMPONENTS MODEL NAME FOR LBT-D670AV/N555AV

	LBT-D670AV	LBT-N555AV	
	US, CND	AEP, UK, G, IT	E,AUS,PX,MX,AR
COMPACT DISC DECK RECEIVER SYSTEM	HCD-D670AV	HCD-N555AV	
FRONT SPEAKER SYSTEM	SS-D2700AV	SS-LB555AV	SS-LB655AV
CENTER SPEAKER SYSTEM	SS-CN120		
REAR SPEAKER SYSTEM	SS-SR120		

SPECIFICATIONS

General

Power requirements

US, Canadian, Mexican models : 120V AC, 60Hz

AEP, UK, German, Italian models :

220 - 230V AC, 50/60Hz

Australian model : 240V AC, 50/60Hz

Other models :

110 - 120V or 220 - 240V AC, 50/60Hz

Adjustable with the voltage selector.

Power consumption

US model : 170W

Canadian model : 190W

AEP, UK, German, Italian models : 250W

Other models : 240W

Supplied accessories

AM loop antenna (1)

Remote RM-SE1AV (1)

Sony SUM-3 (NS) batteries (2)

FM wire antenna (1)

Speaker cords

Center speaker feet (4)

Design and specifications are subject to change without notice.

COMPACT Hi-Fi STEREO SYSTEM
SONY®

PARTS LIST

NOTE :

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• Abbreviation

CND : Canadian model
IT : Italian model
G : German model
AUS : Australian model
MX : Mexican model
AR : Argentine model

Part No.	Description	Remark
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ACCESSORIES & PACKING MATERIALS

1-473-608-11	REMOTE COMMANDER (RM-SE1AV)	
1-501-374-11	ANTENNA, LOOP	
1-501-659-41	ANTENNA (FM) (US, CND, E, AUS, PX, MX, AR)	
1-501-804-11	ANTENNA (FM) (AEP, UK, G, IT)	
1-751-347-11	CORD, CONNECTION (SURROUND 10m)	
1-769-317-11	CORD, SPEAKER (RED/BLACK) (for SS-LB555AV/LB655AV) (2.5m) (EXCEPT US, CND)	
1-769-433-21	CORD, SPEAKER (SURROUND 2.5m)	
1-775-458-11	CORD, SPEAKER (BLUE/BLACK) (for SS-LB555AV/LB655AV) (2.5m) (EXCEPT US, CND)	
3-810-986-11	MANUAL, INSTRUCTION (ENGLISH) (US, CND)	
3-810-986-22	MANUAL, INSTRUCTION (FRENCH) (CND)	
3-810-986-31	MANUAL, INSTRUCTION (ENGLISH) (UK)	
3-810-986-41	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, PORTUGUESE) (AEP)	
3-810-986-51	MANUAL, INSTRUCTION (GERMAN, DUTCH, SWEDISH, ITALIAN) (AEP, IT)	
3-810-986-71	MANUAL, INSTRUCTION (GERMAN) (G)	
3-810-987-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, CHINESE) (E, AUS, PX, MX, AR)	
4-972-322-01	FOOT (Y) (SURROUND)	
* 4-979-311-01	INDIVIDUAL CARTON (US)	
* 4-979-312-01	INDIVIDUAL CARTON (AUS, PX)	
* 4-979-313-01	INDIVIDUAL CARTON (E, MX, AR)	
* 4-979-314-01	INDIVIDUAL CARTON (CND)	
* 4-979-315-01	INDIVIDUAL CARTON (INDONESIA PRODUCT) (AEP, UK, G, IT)	
* 4-979-431-01	CUSHION (BOTTOM) (HCD)	
* 4-979-452-01	CUSHION (for SS-D270AV) (US, CND)	
* 4-980-140-01	CUSHION (UPPER) (HCD)	
* 4-980-316-01	INDIVIDUAL CARTON (for SS-LB655AV) (AUS, PX)	
* 4-980-317-01	INDIVIDUAL CARTON (for SS-LB655AV) (E, MX, AR)	
* 4-980-318-01	INDIVIDUAL CARTON (for SS-LB555AV) (AEP, UK, G, IT)	
* 4-980-685-01	CUSHION (for SS-LB555AV) (AEP, UK, G, IT)	
4-981-643-01	COVER, BATTERY (for RM-SE1AV)	
* 4-981-902-01	INDIVIDUAL CARTON (MALAYSIA PRODUCT) (AEP)	
* 4-982-589-01	CUSHION (CR) (UPPER) (SURROUND)	
* 4-982-590-01	CUSHION (CR) (LOWER) (SURROUND)	
* 4-983-124-01	CUSHION (for SS-LB655AV) (E, AUS, PX, MX, AR)	

HCD-D670AV/N555AV

SERVICE MANUAL

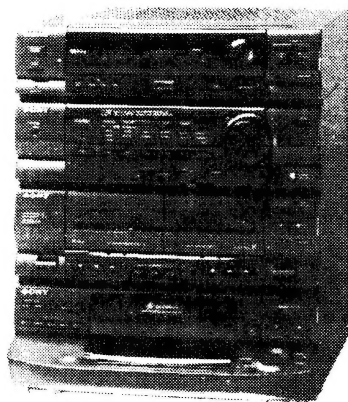




Photo: HCD-N555AV

US Model
Canadian Model
HCD-D670AV
AEP Model
UK Model
E Model
Australian Model
PX Model
HCD-N555AV

HCD-D670AV, HCD-N555AV are the tuner, deck, CD and amplifier section in LBT-D670AV, LBT-N555AV.

- * Manufactured under license from Dolby Laboratories Licensing Corporation.
DOLBY, the double-D symbol  and "PRO LOGIC" are trademarks of Dolby Laboratories Licensing Corporation.
- * Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.

CD SECTION	Model Name Using Similar Mechanism	NEW
	CD Mechanism type	CDM37-5BD19
	Base Unit Type	BU-5BD19
	Optical Pick-up type	KSS-213BA/S-N
TAPE DECK SECTION	Model Name Using Similar Mechanism	HCD-N350
	Tape Transport Mechanism Type	TCM-220WR2E

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS (US model)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION: With 6 ohm loads, both channels driven, from 70-20,000 Hz; rated 50 watts per channel minimum RMS power, with no more than 0.9 % total harmonic distortion from 250 milliwatts to rated output (FRONT SPEAKER).

CD player section

System compact disc
digital audio system
Laser Semiconductor laser
($\lambda=780\text{nm}$)
Emission duration:
continuous
laser output Max 44.6 μW *

* This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture.

Frequency response 2 Hz-20 kHz (± 0.5 dB)
wavelength 780-790 nm

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

87.5-108.0 MHz
(100 kHz step for US, Canadian models)
(50 kHz step for except US, Canadian models)

Antenna FM wire antenna
Aerial terminals 75 ohm unbalanced
Intermediate frequency 10.7 MHz

AM tuner section

Tuning range
US, Canadian models:
AM: 530-1,710 kHz (with the tuning interval set at 10 kHz)
531-1,710 kHz (with the tuning interval set at 9 kHz)
German and Italian models:
AM: 531-1,602 kHz
AEP, UK models:
MW: 531-1,602 kHz
LW: 153-279 kHz (with the tuning interval set at 3 kHz)
Other models:
AM: 531-1,602 kHz (with the AM tuning interval set at 9 kHz)
530-1,710 kHz (with the AM tuning interval set at 10 kHz)
Antenna AM loop Antenna
External Antenna
terminals
Intermediate frequency 450 kHz

— Continued on next page —

COMPACT DISC DECK RECEIVER
SONY®



Tape player section

Recording system

4-track 2-channel stereo

Frequency response

(DOLBY NR OFF)

40-13,000 Hz (± 3 dB), using

SONY TYPE I cassette

40-14,000 Hz (± 3 dB), using

SONY TYPE II cassette

Wow and flutter

$\pm 0.15\%$ W.Peak (IEC)

0.1% W.RMS (NAB)

$\pm 0.2\%$ W.Peak (DIN)

Amplifier section

US, Canadian models:

Continuous RMS power output:

FRONT SPEAKER:

60 W + 60 W (6 ohms at 1 kHz, 5% THD)

CENTER SPEAKER:

50 W (8 ohms at 1 kHz, 5% THD)

REAR SPEAKER:

25 W + 25 W (16 ohms at 1 kHz, 5% THD)

AEP, UK, German, Italian models:

DIN power output:

FRONT SPEAKER:

40 W + 40 W (6 ohms at 1 kHz)

SUPER WOOFER:

40 W + 40 W (6 ohms)

SURROUND SPEAKER CENTER:

35 W (8 ohms at 1 kHz)

SURROUND SPEAKER REAR:

17.5 W + 17.5 W (16 ohms at 1 kHz)

Continuous RMS power output:

FRONT SPEAKER:

50 W + 50 W (6 ohms at 1 kHz, 10% THD)

SUPER WOOFER:

50 W + 50 W (6 ohms, 10% THD)

SURROUND SPEAKER CENTER:

42 W (8 ohms at 1 kHz, 10% THD)

SURROUND SPEAKER REAR:

21 W + 21 W (16 ohms at 1 kHz, 10% THD)

Music power output:

FRONT SPEAKER:

80 W + 80 W (6 ohms at 1 kHz, 10% THD)

SUPER WOOFER:

80 W + 80 W (6 ohms, 10% THD)

SURROUND SPEAKER CENTER:

70 W (8 ohms at 1 kHz, 10% THD)

SURROUND SPEAKER REAR:

35 W + 35 W (16 ohms at 1 kHz, 10% THD)

Other models:

Peak music power output:

1,400 W (6 Ω at 1 kHz, 10% THD)

Continuous RMS power output:

FRONT SPEAKER

45 W + 45 W (6 ohms, at 1 kHz, 5% THD)

SUPER WOOFER

45 W + 45 W (6 ohms, 5% THD)

SURROUND CENTER SPEAKER

40 W (8 ohms, at 1 kHz 5% THD)

SURROUND REAR SPEAKER

20 W + 20 W (16 ohms, at 1 kHz, 5% THD)

Inputs

PHONO (phono jack):

Sensitivity 3 mV, impedance 47 kilohms

VIDEO (AUDIO) (phono jack):

Sensitivity 250 mV, impedance 47 kilohms

MIC (phone jack): (E, Australian, Mexican, PX, Argentine models)

Sensitivity 1 mV, impedance 10 kilohms

Outputs

PHONES (phone jack):

US, Canadian, AEP, UK, German, Italian models:

accept headphones of 8 ohms or more

Other models: accept headphones of 6 to 16 ohms

FRONT SPEAKER: accept impedance of 6 to 16 ohms

SURROUND SPEAKER REAR:

accept impedance of 16 ohms

SURROUND SPEAKER CENTER:

AEP, UK, German, Italian models:

accept impedance of 8 ohms

E, Australian, PX, Argentine, Mexican models:

accept impedance of 8 to 16 ohms

SUPER WOOFER:

AEP, UK, German, Italian models:

accept impedance of 16 ohms

E, Australian, PX, Argentine, Mexican models:

accept impedance of 6 to 16 ohms

General

Power requirements

AEP, UK, German, Italian, models:

220-230 V AC, 50/60 Hz

Australian model:

240 V AC, 50/60 Hz

US, Canadian, Mexican model:

120 V AC, 60 Hz

Other models:

110-120 V or 220-240 V AC

adjustable, 50/60 Hz

Power consumption

US model: 170 W

Canadian model: 190 W

AEP, UK, German, Italian models: 250 W

Other models: 240 W

Dimensions

Approx. 355 x 425 x 400 mm

(14 x 16 3/4 x 15 3/4 inches) (w/h/d)

incl. projecting parts and controls

Mass

US, Canadian models:

Approx. 12.4 kg (27 lb 6 oz)

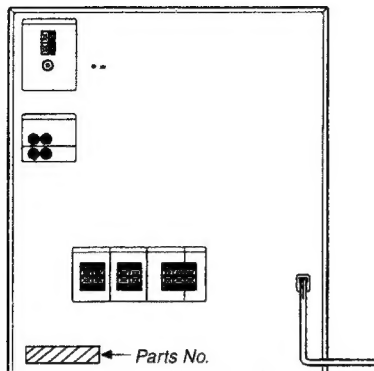
Except US, Canadian models:

Approx. 13 kg (28 lb 11 oz)

Design and specifications subject to change without notice.

MODEL IDENTIFICATION

– BACK PANEL –



MODEL	PARTS No.
D670AV: US model	4-978-193-0□
D670AV: Canadian model	4-978-193-1□
N555AV: AEP model	4-978-193-2□
N555AV: German model	4-978-193-3□
N555AV: Italian model	4-978-193-4□
N555AV: UK model	4-978-193-5□
N555AV: E model	4-978-194-0□
N555AV: Argentine model	4-978-194-1□
N555AV: Australian model	4-978-194-2□
N555AV: PX model	4-978-194-3□
N555AV: Mexican model	4-978-194-4□

NOTE: The AEP model has Indonesian and Malaysia products.
The contents of both products are completely the same.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

- Keep the temperature of soldering iron around 270°C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.

CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

This appliance is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.

CAUTION : INVISIBLE LASER RADIATION WHEN OPEN.
AVOID EXPOSURE TO BEAM.
ADVARSEL : USYNLIG LASERSTRÅLING VED ÅBNING NÅR
SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION.
UNDGÅ UDSÆTTELSE FOR STRÅLING.
VARO! : AVATTAESSA JA SUOJALUKITUS OHITETTAESSA
DLET ALTTIINA LASERSÄTEILYLLE.
VARNING : LASERSTRÅLING NÅR DENNA DEL ÄR ÖPPNAD
OCH SPÄRREN ÄR URÖPPPLAD.
ADVARSEL : USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES
UNNGÅ EKSPONERING FOR STRÅLEN.

This caution label is located inside the unit.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY MARK \triangle OR DOTTED LINE WITH MARK \triangle ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE \triangle SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

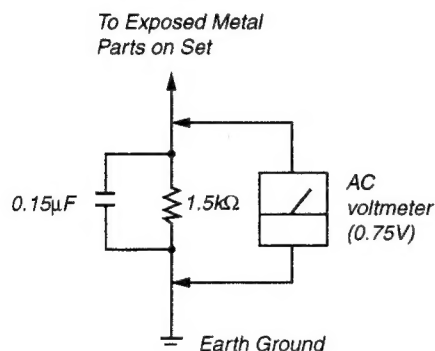


Fig. A. Using an AC voltmeter to check AC leakage.

SERVICING NOTE

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.

During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

[FL Display Tube, LED All Lit and Key Check mode]

When the **TUNER/BAND**, **DISPLAY/DEMO**, and **FILE 2** buttons are pressed simultaneously, the FL display tube and LEDs will all light up. Press any button to enter the key check mode.

When the key check mode is entered, the FL display tube displays "K 1 J0 V0". Each time a button is pressed, the counter increases in the following order, K 2 → K 3 → K 4.

If buttons already pressed once are pressed again, the counter will not increase. When the VOLUME knob is rotated in the + direction, the count increases in the following order.

V1 → V2 → V3.

When rotated in the - direction, it decreases in the following order.

V0 → V9 → V8.

When the AMS dial is rotated in the clockwise direction, the count increases in the following order.

J1 → J2 → J3.

When rotated in the counterclockwise direction, it decreases in the following order.

J0 → J9 → J8.

To exit from the test mode, press the **TUNER/BAND**, **DISPLAY/DEMO**, **FILE 2** buttons simultaneously again.

[Switching the channel step 9 KHz/10 KHz]

Press **ENTER/NEXT** button and **POWER** button simultaneously to switch the AM channel step 9 kHz and 10 kHz. Be sure not to change with carelessness.

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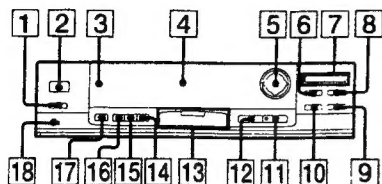
- Abbreviation
- G : German model
- IT : Italian model
- MX : Mexican model
- AUS: Australian model
- AR : Argentine model

SECTION 1 GENERAL

This section is extracted from instruction manual.

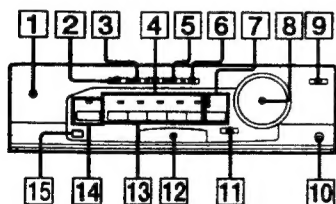
Front Panel

Tuner section



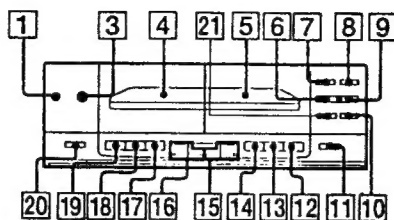
- 1 SLEEP button (29)
- 2 SYSTEM POWER switch (8)
- 3 Remote sensor
- 4 Display window (35)
- 5 CURSOR CONTROL buttons (7, 24)
- 6 TUNING MODE button (13)
- 7 TUNING +/- buttons (13)
- 8 TUNER MEMORY button (14)
- 9 STEREO/MONO button (13)
- 10 PTY button (14)*1
- 11 ENTER/NEXT button/indicator (7, 10, 14, 24)
- 12 DISPLAY/DEMO button (7, 15, 23)
- 13 TUNER/BAND button/indicator (13, 20, 30)
- 14 REC button (30)
- 15 DAILY 2 button (30)
- 16 DAILY 1 button (30)
- 17 TIMER SET button (30)
- 18 CLOCK SET button (7)

Amplifier section



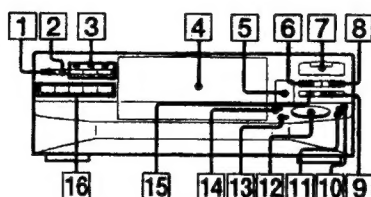
- 1 PHONES jack (23)
- 2 DOLBY PRO LOGIC CENTER button (27)
- 3 DOLBY PRO LOGIC ON/OFF button/indicator (27)
- 4 HALL button/indicator (24)
- 5 LIVE button/indicator (24)
- 6 THEATER button/indicator (24)
- 7 FILE SELECT button/indicators (23, 25)
- 8 VOLUME control (8, 23, 27)
- 9 DBFB button (23)
- 10 SUPER WOOFER button/indicator (23)*2
- 11 MEMORY button (25)
- 12 FUNCTION button (8, 16)
- 13 FILE 1 - 5 buttons/indicators (23, 25)
- 14 EFFECT button/indicator (23)
- 15 KARAOKE PON/MPX button *3

Tape player section



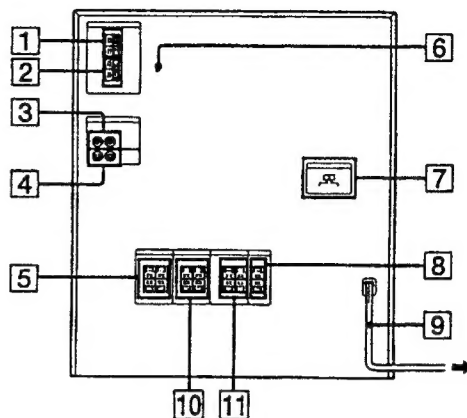
- 1 MIC jack (29)*3
- 3 MIC LEVEL control (29)*3
- 4 Cassette compartment for deck A (15)
- 5 Cassette compartment for deck B (15)
- 6 II (pause) button (15)
- 7 HIGH SPEED DUBBING button (20)
- 8 CD SYNCHRO button (16)
- 9 REC (recording) button (16)
- 10 DIRECTION button (16)
- 11 EJECT button for deck B (15)
- 12 >> (fast rightward) button for deck B (15)
- 13 << (fast leftward) button for deck B (15)
- 14 □ (stop) button for deck B (15)
- 15 </> (play) button for deck B (15)
- 16 </> (play) button for deck A (15)
- 17 >> (fast rightward) button for deck A (15)
- 18 << (fast leftward) button for deck A (15)
- 19 □ (stop) button for deck A (15)
- 20 EJECT button for deck A (15)
- 21 DOLBY NR button*4

CD player section



- 1 MUSIC CLIP PLAY button (12)
- 2 MUSIC CLIP ERASE button (12)
- 3 CLIP A, B, C buttons/indicators (11, 12)
- 4 Front cover (8)
- 5 OPEN button (8)
- 6 II (pause) button/lamp (8)
- 7 > (play) button/lamp (8)
- 8 □ (stop) button (8)
- 9 AUTO button/indicator (8)
- 10 PROGRAM button (10)
- 11 REPEAT button (10)
- 12 JOG dial (8)
- 13 SHUFFLE button (9)
- 14 CONTINUE button (8)
- 15 DISC SKIP button (8)
- 16 DISC 1 - 5 buttons (8)

Rear Panel

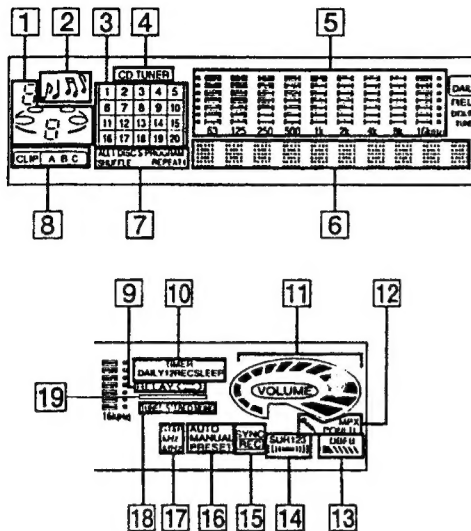


- 1 AM terminal (4)
- 2 FM 75Ω terminal (5)*5
FM 75Ω COAXIAL terminal*1
- 3 PHONO IN jacks (30)
- 4 VIDEO (AUDIO) IN jacks (30)
- 5 FRONT SPEAKER connectors (4)
- 6 ground terminal (5)
- 7 VOLTAGE SELECTOR*6
- 8 SURROUND SPEAKER CENTER connectors (4)
- 9 AC power cord (6)
- 10 SUPER WOOFER connectors (4)*2
- 11 SURROUND SPEAKER REAR connectors (4)

Note:

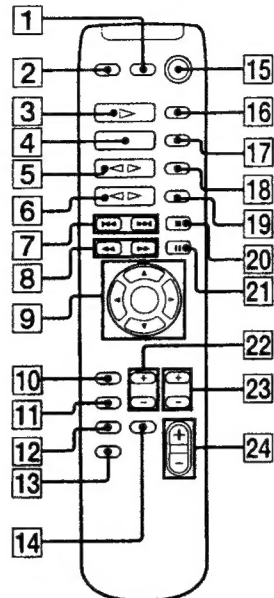
- *1 : AEP, UK, German, Italian models.
- *2 : Except US, Canadian models.
- *3 : E, Australian, Mexican, PX, Argentine models
- *4 : US, Canadian, AEP, UK, German, Italian models.
- *5 : Except AEP, UK, German, Italian models.
- *6 : E, PX, Argentine models.

Display Window



- 1 Disc calendar (8)
- 2 Demo mode indications (6)
- 3 Music calendar (8)
- 4 CD/TUNER indication (8)
- 5 Graphic Equalizer indication (22)
- 6 Multi-display (8, 13, 22)
- 7 CD play mode indications (9)
- 8 CLIP indicator (12)
- 9 Tape direction mode indication (15)
- 10 Timer indication (27)
- 11 VOLUME indication (8)
- 12 KARAOKE PON/MPX R L indication (29) *3
- 13 DBFB indication (21)
- 14 SUR indication (16, 22)
- 15 SYNC REC indicator (16)
- 16 Tuning mode indications (13)
- 17 STEP/frequency waves indication (13)
- 18 TUNED/STEREO/MONO indications (13)
- 19 DOLBY NR B indication *4

Remote



- 1 FUNCTION button (8, 16)
- 2 SLEEP button (29)
- 3 CD (play) button (8)
- 4 TUNER/BAND button (13)
- 5 DECK A button (16)
- 6 DECK B button (16)
- 7 AMS (TUNING +/-) buttons (13)
- 8 buttons (8)
- 9 MUSIC MENU buttons (23)
- 10 PRO LOGIC ON/OFF button (27)
- 11 T. TONE ON/OFF button (28)
- 12 DSP MODE button (24)
- 13 LOOP button (11)
- 14 DSP LEVEL button (25)
- 15 POWER button (8)
- 16 EDIT button (17)
- 17 CHECK button (10, 19)
- 18 CLEAR button (10)
- 19 D.SKIP button (8)
- 20 (stop) button (8)
- 21 (pause) button (8)
- 22 CENTER LEVEL +/- buttons (27)
- 23 REAR LEVEL +/- buttons (27)
- 24 VOLUME +/- buttons (23, 27)

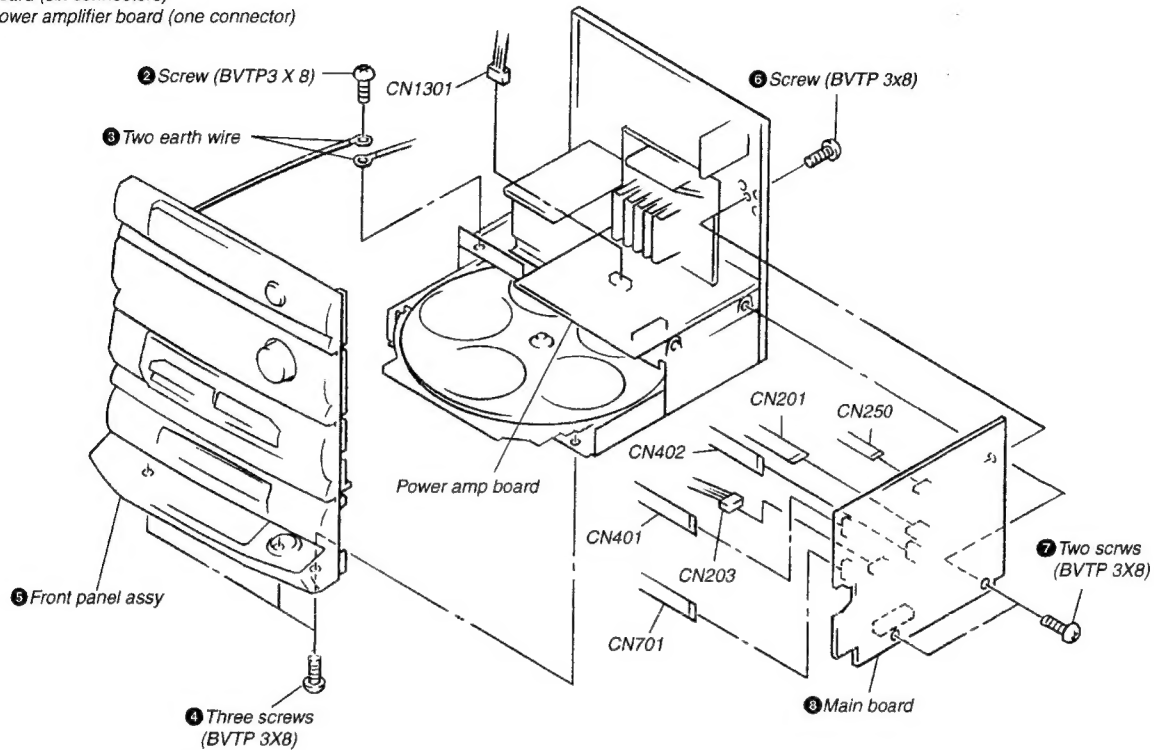
SECTION 2 DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

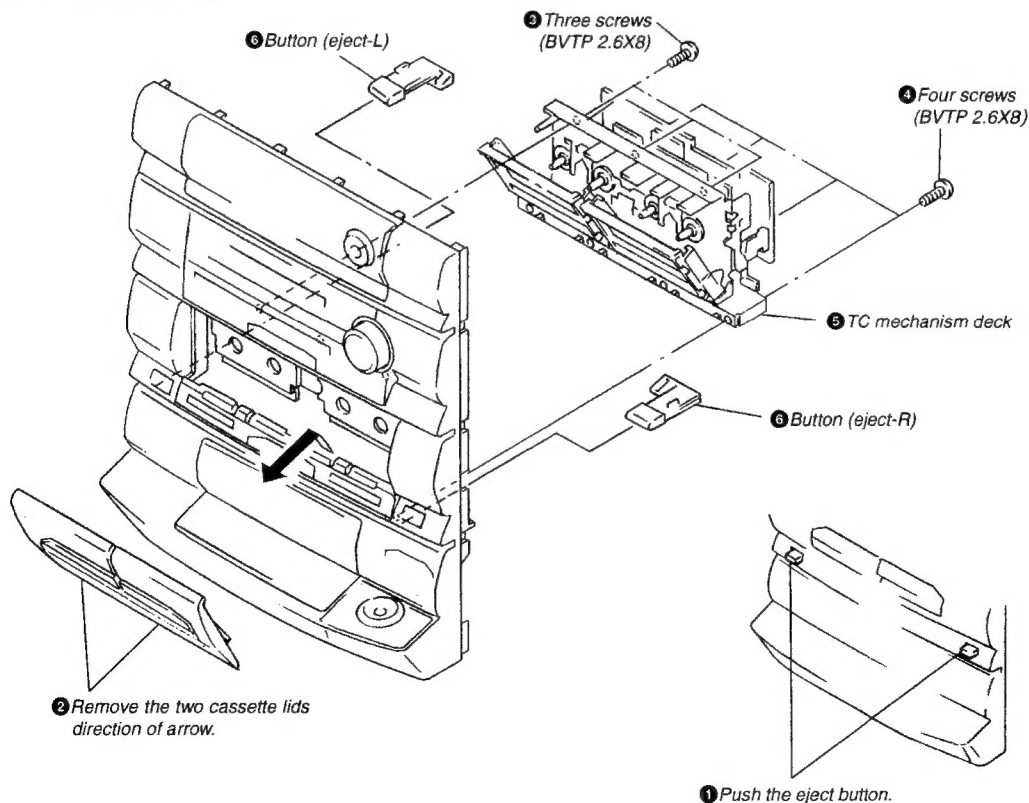
2-1. FRONT PANEL ASSY AND MAIN BOARD

1 Remove the connectors.

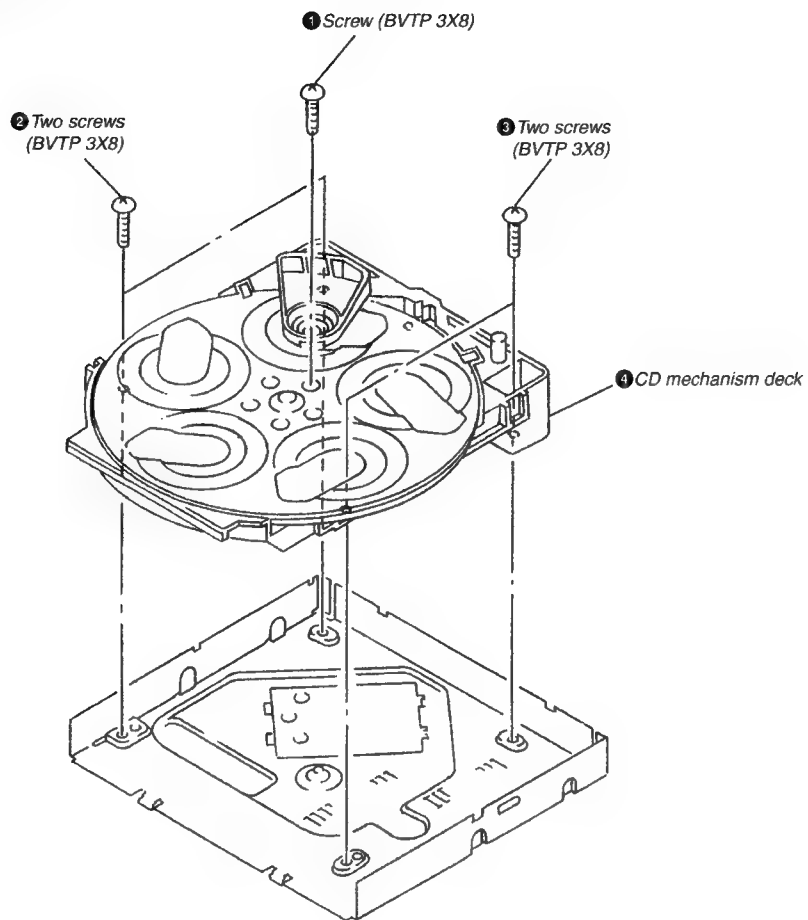
- Main board (six connectors)
- Main power amplifier board (one connector)



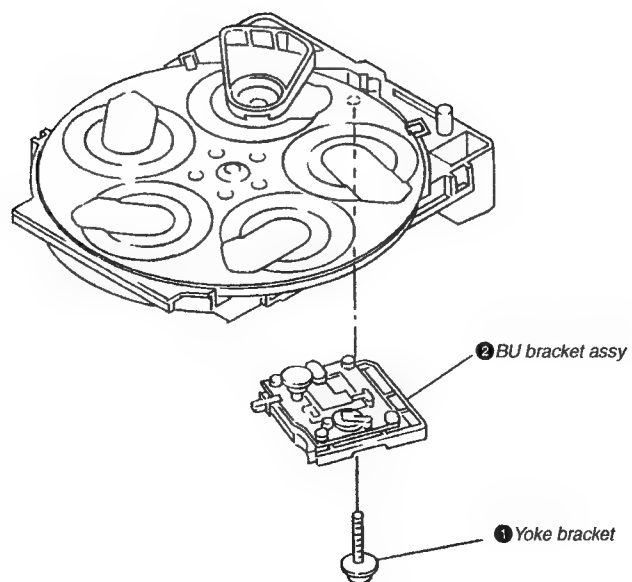
2-2. TC MECHANISM DECK



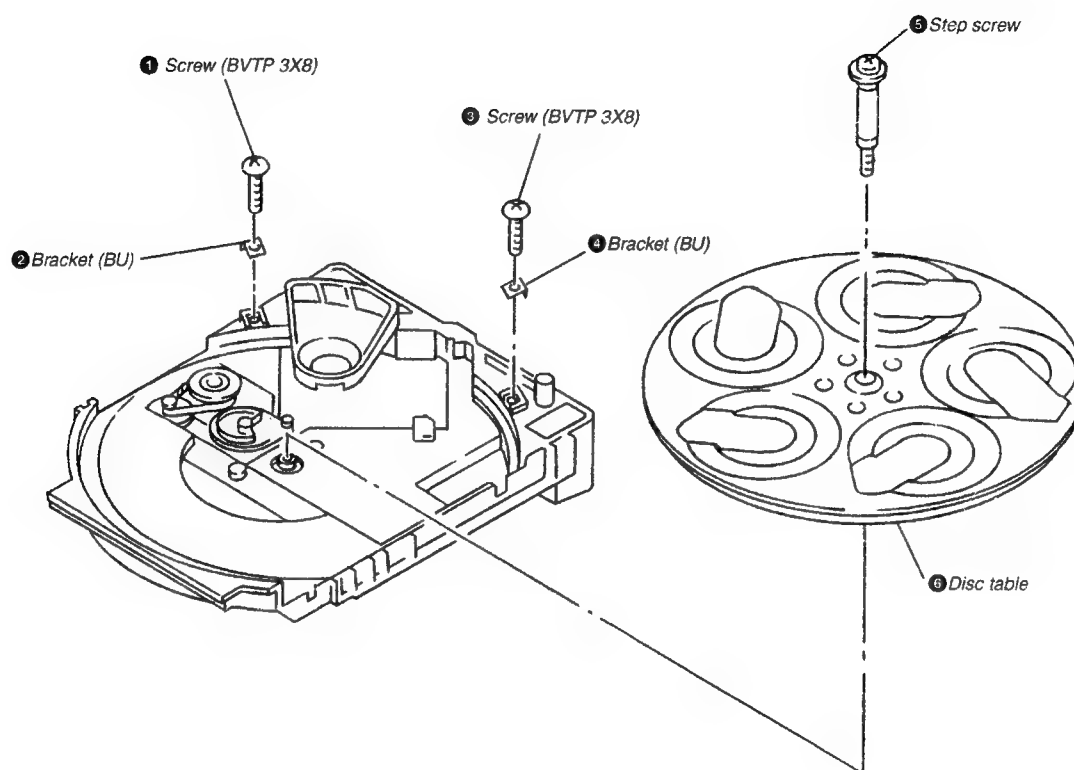
2-3. CD MECHANISM DECK



2-4. BU BRACKET ASSY



2-5. DISC TABLE



SECTION 3 MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured alcohol-moistened swab :

record/playback heads	pinch rollers
erase head	rubber belts
capstan	idlers
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

Torque	Torque meter	Meter reading
FWD	CQ-102C	36 to 61 g • cm (0.5–0.84 oz • inch)
FWD back tension	CQ-102C	2 to 6 g • cm (0.02–0.08 oz • inch)
REV	CQ-102RC	36 to 61 g • cm (0.5–0.84 oz • inch)
REV back tension	CQ-102RC	2 to 6 g • cm (0.02–0.08 oz • inch)
FF/REW	CQ-201B	61 to 143 g • cm (0.85–1.99 oz • inch)
FWD tension	CQ-403A	100g or more (3.53 oz or more)
REV tension	CQ-403R	100g or more (3.53 oz or more)

SECTION 4 ELECTRICAL ADJUSTMENTS

DECK SECTION

0 dB=0.775V

1. Demagnetize the record/playback head with a head demagnetizer.
2. Do not use a magnetized screwdriver for the adjustments.
3. After the adjustments, apply suitable locking compound to the parts adjusted.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
5. The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
6. The adjustments should be performed for both L-CH and R-ch.
7. Switches and controls should be set as follows unless otherwise specified.

DOLBY NR switch : OFF (US, CND, AEP, UK, G, IT model)

Tape	Signal	Used for
P-4-A100	10 kHz, -10 dB	Azimuth Adjustment
WS-48B	3 kHz, 0 dB	Tape Speed Adjustment
P-4-L300	315 Hz, 0 dB	Level Adjustment

Record/Playback Head Azimuth Adjustment

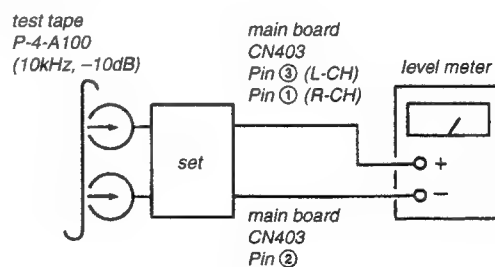
DECK A

DECK B

Note : Perform this adjustments for both decks.

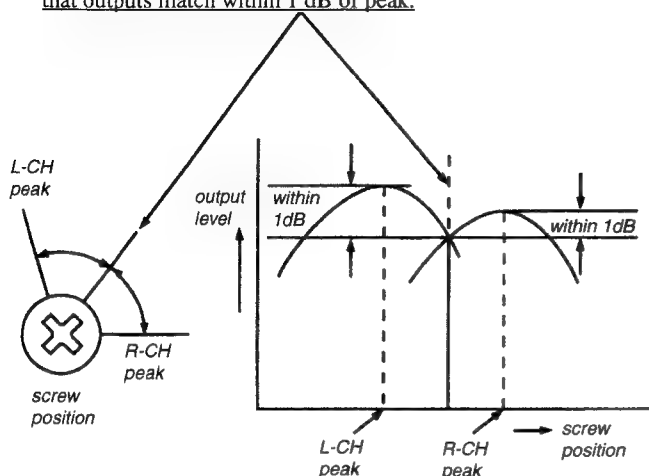
Procedure :

1. Mode : Playback (FWD)

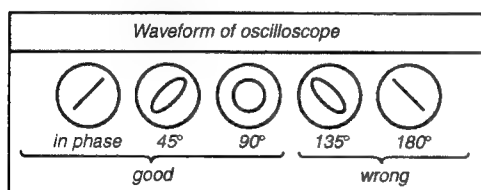
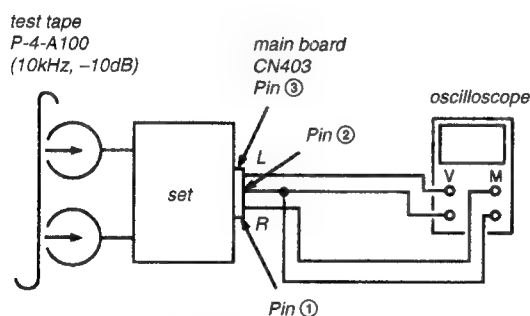


- Abbreviation
CND : Canadian model.
G : German model.
IT : Italian model.

- Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 1 dB of peak.

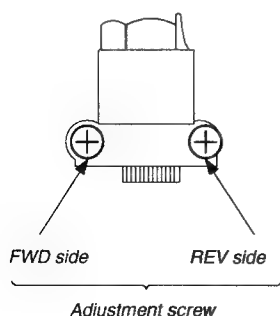


- Mode : Playback (FWD)



- Repeat steps 1 to 3 in playback (REV) mode.
- After the adjustments, apply suitable locking compound to the parts adjusted.

Adjustment Location : Record/Playback Head (Deck A and B)



Tape Speed Adjustment **DECK A**

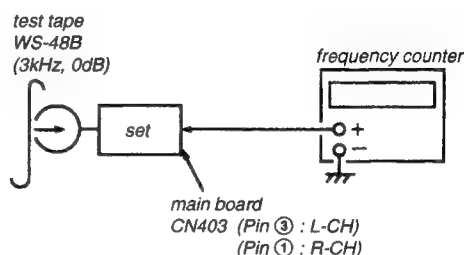
NOTE : Start the tape speed adjustment as below after setting the test mode. The tape speed can be changed with the **HIGH SPEED DUBBING** button during the test mode.

Method :

- Turn the power switch on.
- Press the **DISPLAY/DEMO** button, **MENU 1** button and **TUNER/BAND** button simultaneously.

Procedure :

Mode : Playback (FWD)



- Insert the WS-48B into the deck A to playback.
- Press the **HIGH SPEED DUBBING** button. Then at HIGH SPEED mode.
- Adjust RV652 on the MD board so that the frequency counter reading becomes $6,000 \pm 30$ Hz.
- Press the **HIGH SPEED DUBBING** button again to be set to the NORMAL SPEED mode.
- Set to the playback mode.
- Adjust RV651 on the MD board so that the frequency counter reading becomes $3,000 \pm 15$ Hz.

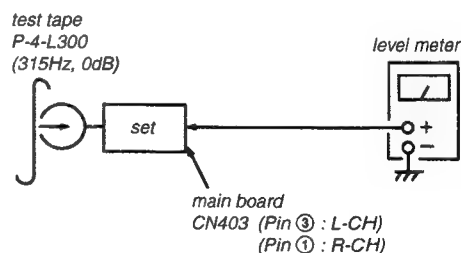
Frequency difference between deck A and deck B the beginning of the tape should be within $\pm 1.5\%$.

Adjustment Location : MD board

Playback Level Adjustment **DECK A** **DECK B**

Procedure :

Mode : Playback (FWD)



Deck A is RV311 (L-CH) and RV411 (R-CH), deck B is RV301 (L-CH) and RV401 (R-CH) so that adjustment within the following adjustment level.

Adjustment level :

CN403 PB level : 301.5 to 338.3 mV (-8.2 to -7.2 dB)

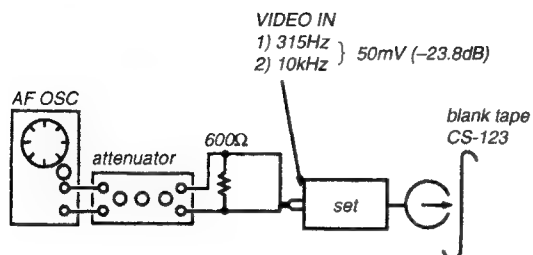
level difference between the channels : within ± 0.5 dB

Adjustment Location : MD board

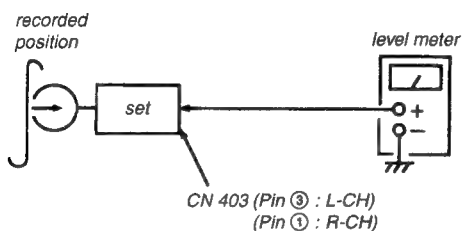
Record Bias Current Adjustment **DECK B**

Procedure :

1. Mode : record



2. Mode : Playback



Confirm playback the signal recorded in step 1 become adjustment level as follows.

If these levels do not adjustment level, adjust the RV341 (L-CH) and RV441 (R-CH) on the MD board to repeat step 1 and 2.

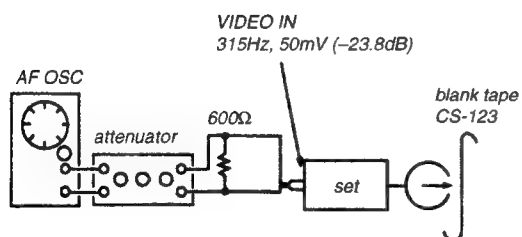
Adjustment level : The playback output of 10 kHz level difference against 315Hz reference should be ± 0.5 dB

Adjustment Location : MD board

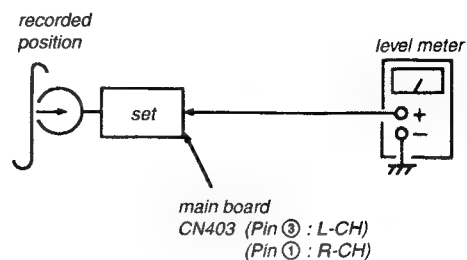
Record Level Adjustment **DECK B**

Procedure :

1. Mode : record



2. Mode : Playback



Confirm playback the signal recorded in step 1 become adjustment level as follows.

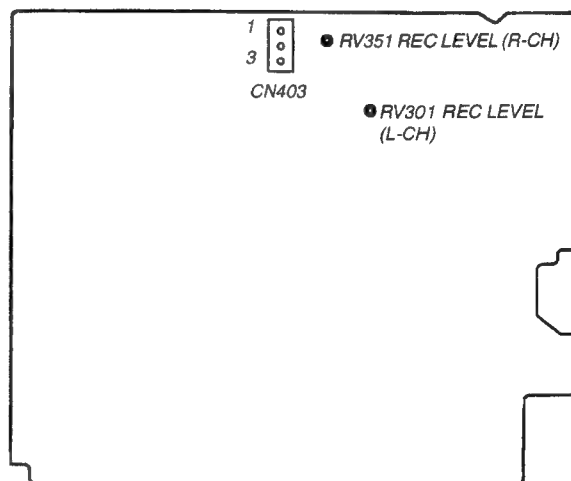
If these levels do not adjustment level, adjust the RV301 (L-CH) and RV351 (R-CH) on the main board to repeat steps 1 and 2.

Adjustment level: CN 403 PB level: 47.2 to 53.0 mV
(-24.3 to -23.3 dB)

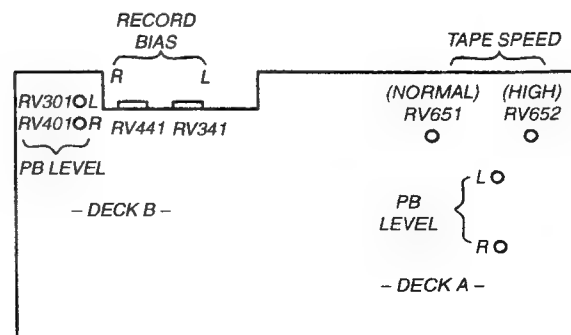
Adjustment Location : main board

Adjustment Location

[MAIN BOARD] (Component Side)



[MD BOARD] (Conductor Side)



TUNER SECTION

0dB=1 μ V

Note : As a front-end (FE1) is difficult to repair if faulty, replace it with new one.

• Abbreviation

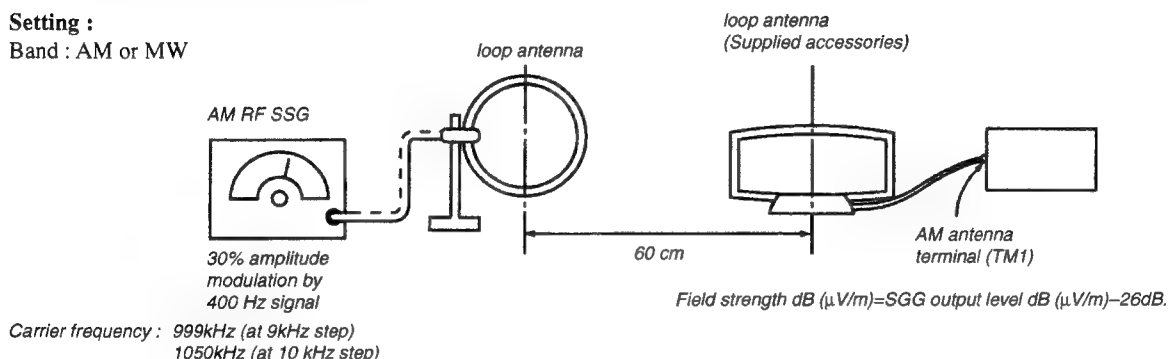
G : German model
IT : Italian model

AM Tuned Level Adjustment

Note : FM Tuned Level adjustment should be performed after this AM Tuned Level adjustment.

Setting :

Band : AM or MW



Procedure :

1. Set the output of SSG so that the input level of the set becomes 55 dB.
2. Tune the set to 999 kHz or 1050 kHz .
3. Adjust RV41 (AEP, UK, IT, G models), RV42 (other models) to the point (moment) when the TUNED indicator will change from going off to going on.

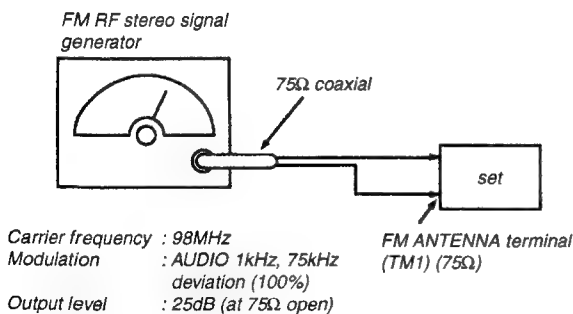
Adjustment Location : TCB board

FM Tuned Level Adjustment

Note : This adjustment should be performed after the AM Tuned Level Adjustment.

Setting :

Band : FM



Procedure :

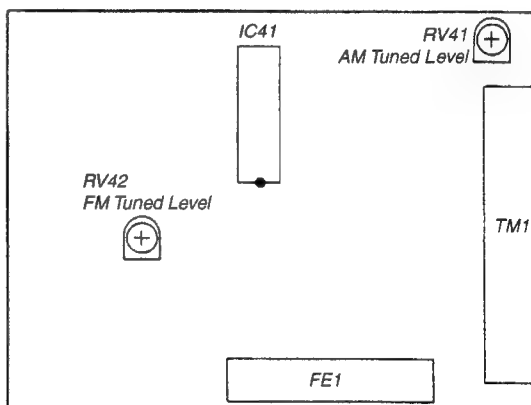
1. Supply a 25dB 98 MHz signal from the ANTENNA terminal.
2. Tune the set to 98 MHz.
3. Adjust RV42 (AEP, UK, IT, G models), RV41 (other models) to the point (moment) when the TUNED indicator will change from going off to going on.

Adjustment Location : TCB board

Adjustment Location

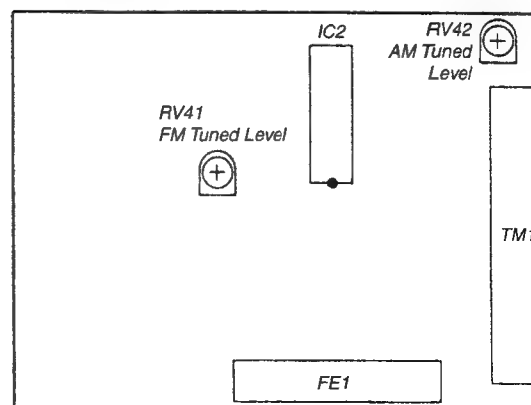
AEP, UK, G, IT model

[TCB BOARD] (Component Side)



Other model

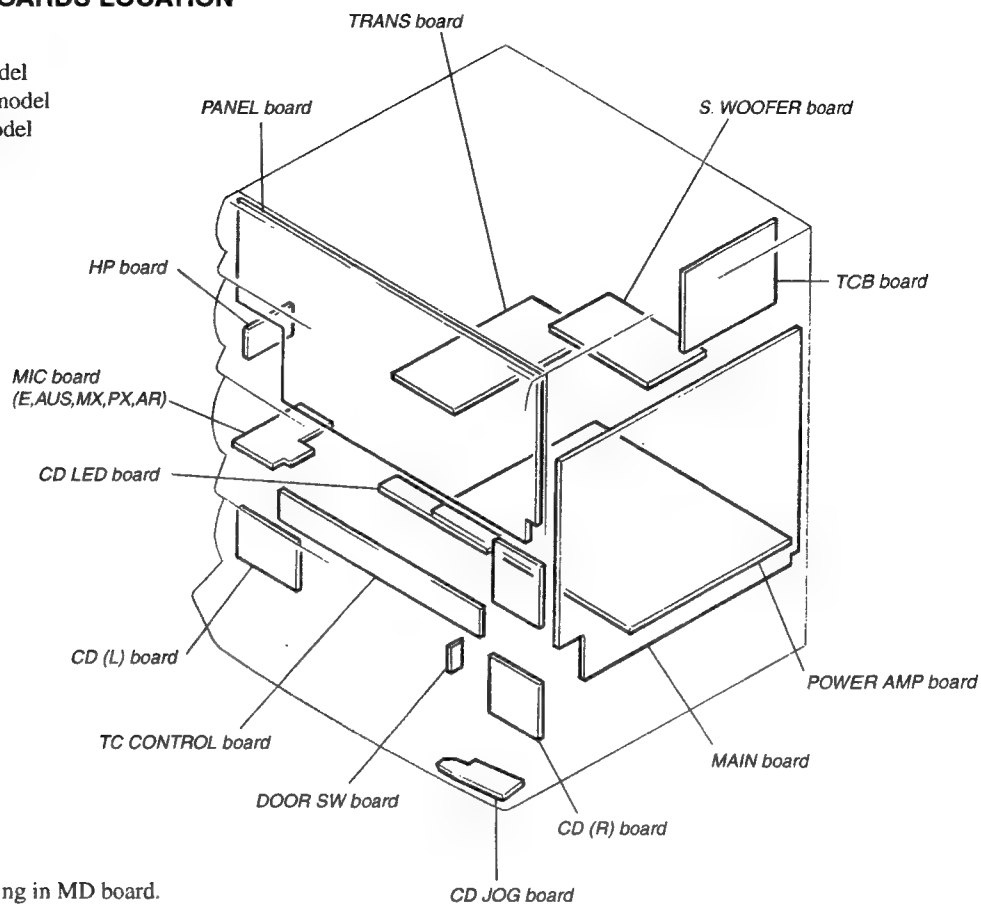
[TCB BOARD] (Component Side)



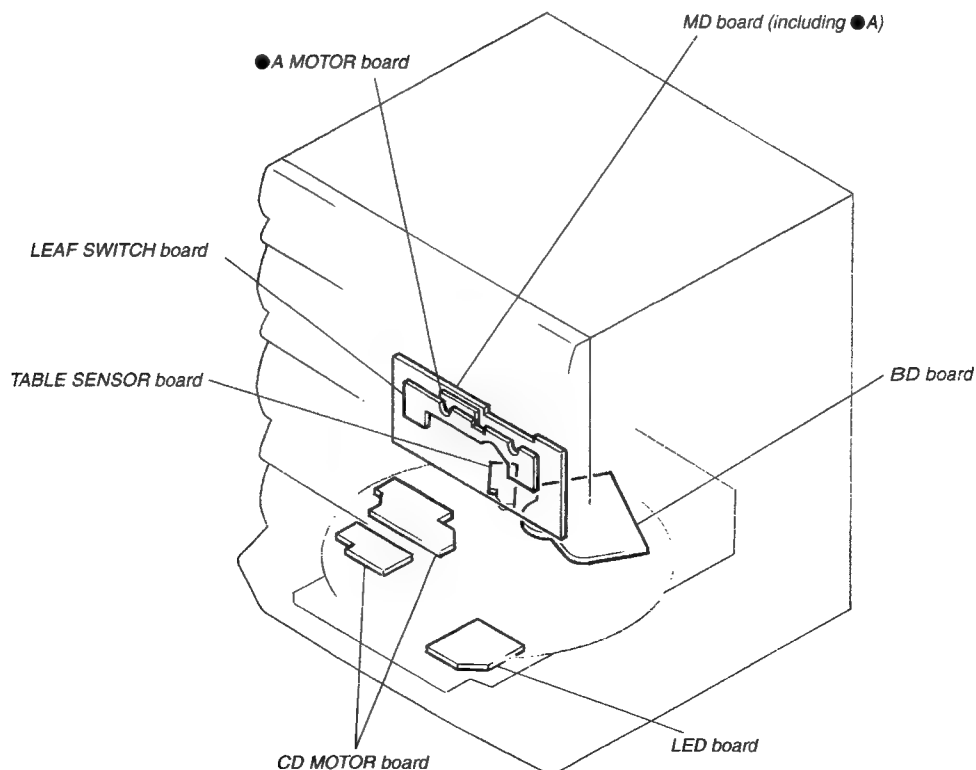
SECTION 5 DIAGRAMS

5-1. CIRCUIT BOARDS LOCATION

- Abbreviation
MX: Mexican model
AUS: Australian model
AR: Argentine model



Note: ●A is including in MD board.



5-2. IC PIN FUNCTIONS

• IC501 GRAPHIC CONTROL (ASD0204)

Pin No.	Pin Name	I/O	Function
1	VDD	–	+5V
2	LED8	O	LED drive signal output.
3, 4	LED7, 6	O	LED drive signal output.
5-9	LED5-1	O	LED drive signal output.
10	RESET	I	Reset signal input.
11	X2	O	} X' tal (4 MHz).
12	X1	I	
13	IC (Vpp)	–	GND
14	XT2	I	Not used.
15	JOG B	I	AMS encoder signal input.
16	VDD	–	+5V
17, 18	LED10, 9	O	LED drive signal output.
19	KEY SEL	O	Key select control.
20	VOL B	I	Volume encoder signal input.
21	REQ. GM	O	Request signal from/to master control.
22	CLK MG	I	Serial clock input.
23	DATA GM	O	Serial data output.
24	DATA MG	I	Serial data input.
25	AVSS	–	GND
26-29	SPEANA 4-1	I	Spectram analyzer signal input.
30-33	KEY 4-1	I	Key matrix input.
34	AVDD	–	} +5V
35	AVREF	–	
36	VOL A	I	Volume encoder signal input.
37	JOG A	I	AMS encoder signal input.
38	RDY MG	I	Ready signal from master control.
39	SIRCS	I	SIRCS signal input.
40	VSS	–	GND
41	DOR SW	I	CD door open detection input.
42	LED SELECT	O	LED select signal output.
43-45	LED13-11	O	LED drive signal output.
46	VDD	–	+5V
47, 48	LEDS7, 6	O	Not used.
49, 50	LEDS5, 4	O	Not used. (Pull down)
51-53	LEDS3-1	O	LED drive signal output.
54-78	SEG32-8	O	FL segment signal output.
79	V, LOAD	–	–25V for FL
80-86	SEG7-1	O	FL segment signal output.
87-100	GR14-1	O	FL grid signal output.

• Abbreviation

FL: Fluorescent Indicator Tube

GND: Ground

• IC701 MASTER CONTROL (TMP87CS64YF)

Pin No.	Pin Name	I/O	Function
1	Vss	–	GND
2	XOUT	O	} X' tal (10 MHz).
3	XIN	I	
4	RESET	I	Reset signal input.
5	XOUT	O	} X' tal for clock (32.768 kHz)
6	XIN	I	
7	GND (test)	–	GND
8	AC CUT	I	Back up signal input.
9	SUPER WOOFER ON	O	Super woofer ON/OFF control.
10	ST-MUTE ON	O	Mute signal output for tuner.
11	180-A-PLAY	I	} Tape detection sigal input. (Connected to GND)
12	180-B-PLAY	I	
13	180-B-REC	I	
14	V. DET	I	Voltage detection (Not used).
15	BD-UP (5CD)	I	Disc table up detect.
16	TRAY CLOSE (1CD)	I	Connected to GND
17	ENCODER-1	I	} Input selector control signal output. (Pull up)
18	ENCODER-2	I	
19	ENCODER-3	I	
20	OUT SW OPEN	I	Out switch signal input. (Pull up)
21	LOAD IN	O	} Loading motor control signal output. (Not used)
22	LOAD OUT	O	
23	TBL-L	O	} Table motor control signal output.
24	TBL-R	O	
25	SCOR	I	Sub-code sync signal input.
26	TBL-SENS	I	CD Table sensor signal input.
27	RDS INT	I	RDS data start input.
28	RDS DATA	I	RDS data output.
29	DF LAT	O	Latch signal for digital filter.
30	SENS	I	Table sence signal input.
31	XRST	O	Reset signal output for CD.
32	MG-RDY	O	Ready signal to graphic control.
33	ADJ	I	Test mode input.
34	GM-REQ	I	Request signal from graphic control.
35	MG-CLK	O	Clock signal to graphic control.
36	GM-DATA	I	Data input from graphic control.
37	MG-DATA	O	Data output to graphic control.
38	CD-CLK	O	Clock output. Serial bus line.
39	ADJ-2	I	Test mode input.
40	CD-DATA	O	Data output. Serial bus line.

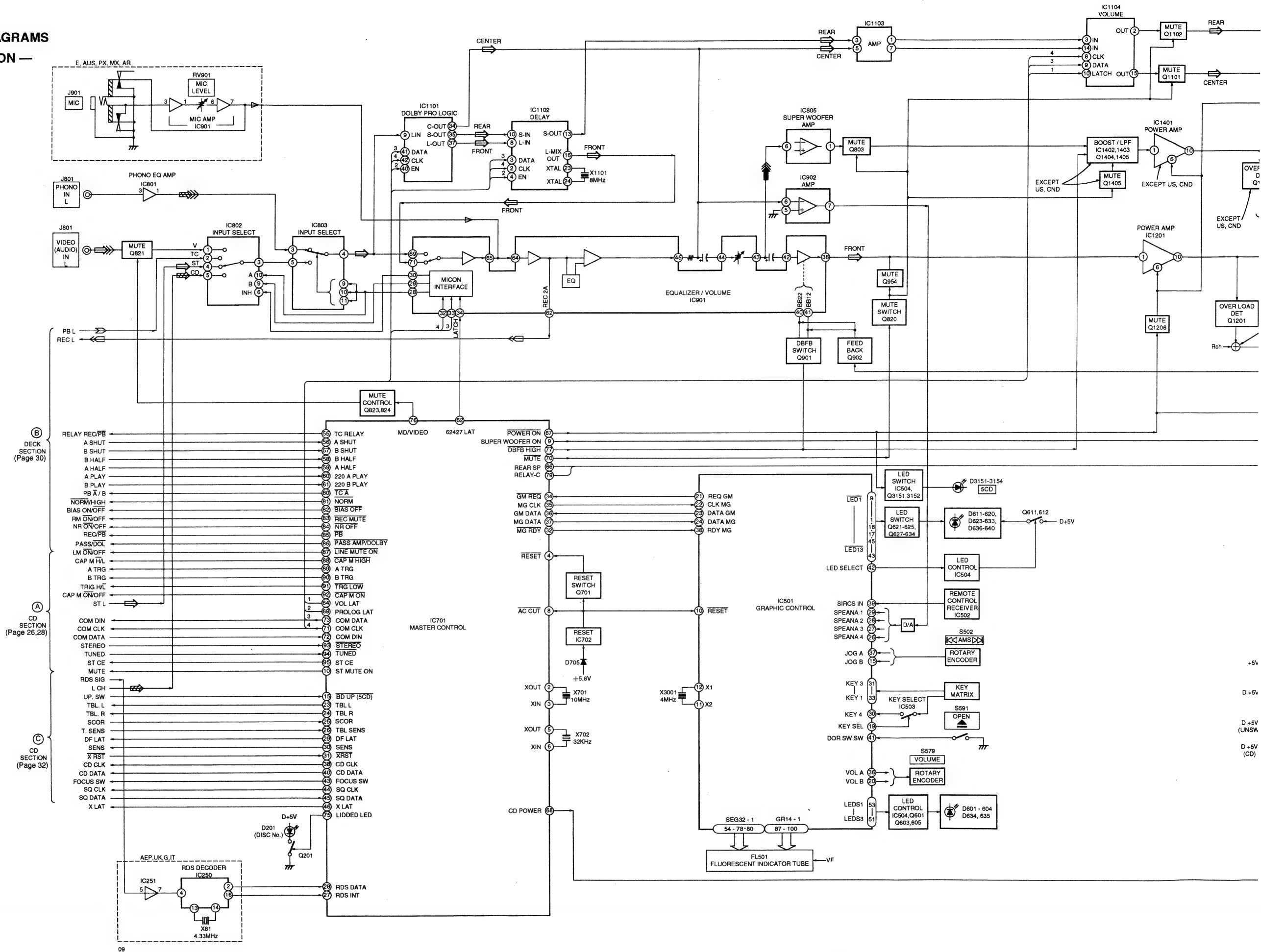
• Abbreviation
FL : Fluorescent Indicator Tube
GND : Ground

Pin No.	Pin Name	I/O	Function
41	AUB IN	I	} Audio bus in/output. (Not used)
42	AUB OUT	O	
43	FOCUS SW	O	Focus switching signal output.
44	SQ-CLK	O	Subcode Q data read clock output.
45	SQ-DATA	I	Subcode Q data input.
46	X-LAT	O	Latch signal digital signal processor.
47	TEST	I	Test land.
48	VAREF	I	Analog reference voltage input.
49	AVss	–	} GND
50	Vss	–	
51	VDD	–	+5V
52	SPEC	I	} Destination detection input.
53	DESTINATION	I	
54	DISC SENS	I	Not used.
55	TC RELAY	O	REC/PB select signal output.
56	A-SHUT	I	} Control signal input form deck.
57	B-SHUT	I	
58	B-HALF	I	
59	A-HALF	I	
60	220-A-PLAY	I	
61	220-B-PLAY	I	
62	62427 LAT	O	PLL latch output.
63	K-CON-LAT	O	Not used.
64	VOL LAT (AV)	O	Latch signal for electrical volume. (Not used)
65	FRONT SP RELAY B	O	Not used.
66	REAR SP RELAY C	O	Rear speaker relay control output.
67	POWER ON	O	Power on signal output
68	CD POWER	O	CD power control signal output.
69	RPOLOG LAT	O	Not used.
70	MUTE	O	Mute signal for AMP.
71	COM CLK	O	PLL clock output. (PLL, Function, Graphic Equalizer)
72	COM DIN	I	PLL data input. (PLL, Function, Graphic Equalizer)
73	COM DATA	O	PLL data output. (PLL, Function, Graphic Equalizer)
74	K CON ON	O	Not used.
75	LIDDED LED	O	Disc No. LED drive signal output.
76	MD/VIDEO	O	MD/VIDEO select output.
77	DBFB-HIGH	O	DBFB switching signal output.
78	PWM-OUT	I	Not used.
79	PRO-LOGIC	O	Dolby pro-logic control ourput.
80	TCA	O	Deck A, B select output.

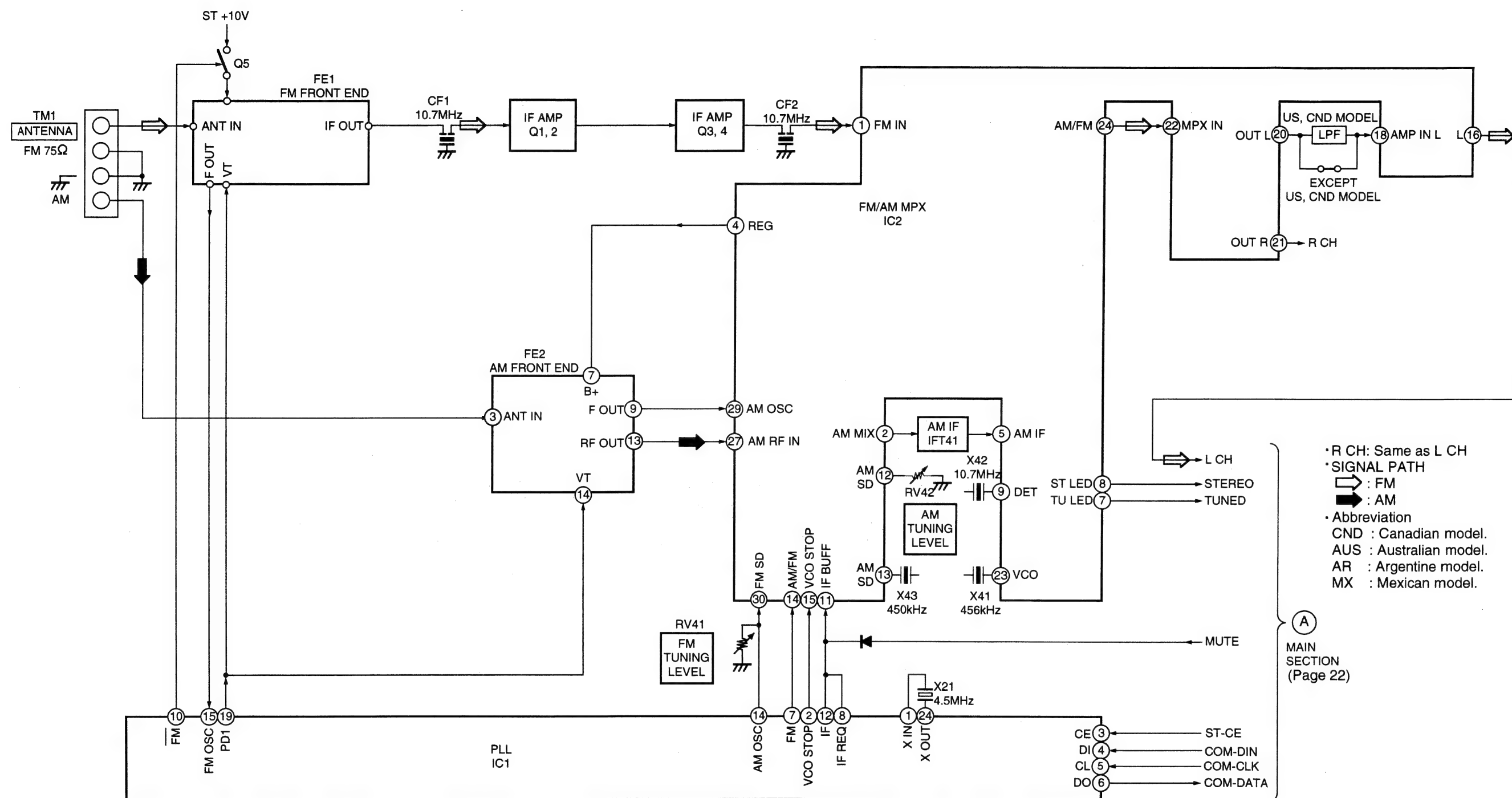
Pin No.	Pin Name	I/O	Function
41	AUB IN	I	} Audio bus in/output. (Not used)
42	AUB OUT	O	
43	FOCUS SW	O	
44	SQ-CLK	O	Subcode Q data read clock output.
45	SQ-DATA	I	Subcode Q data input.
46	X-LAT	O	Latch signal digital signal processor.
47	TEST	I	Test land.
48	VAREF	I	Analog reference voltage input.
49	AVss	-	} GND
50	Vss	-	
51	VDD	-	+5V
52	SPEC	I	} Destination detection input.
53	DESTINATION	I	
54	DISC SENS	I	Not used.
55	TC RELAY	O	REC/PB select signal output.
56	A-SHUT	I	} Control signal input form deck.
57	B-SHUT	I	
58	B-HALF	I	
59	A-HALF	I	
60	220-A-PLAY	I	
61	220-B-PLAY	I	
62	62427 LAT	O	PLL latch output.
63	K-CON-LAT	O	Not used.
64	VOL LAT (AV)	O	Latch signal for electrical volume. (Not used)
65	FRONT SP RELAY B	O	Not used.
66	REAR SP RELAY C	O	Rear speaker relay control output.
67	POWER ON	O	Power on signal output
68	CD POWER	O	CD power control signal output.
69	RPOLOG LAT	O	Not used.
70	MUTE	O	Mute signal for AMP.
71	COM CLK	O	PLL clock output. (PLL, Function, Graphic Equalizer)
72	COM DIN	I	PLL data input. (PLL, Function, Graphic Equalizer)
73	COM DATA	O	PLL data output. (PLL, Function, Graphic Equalizer)
74	K CON ON	O	Not used.
75	LIDDED LED	O	Disc No. LED drive signal output.
76	MD/VIDEO	O	MD/VIDEO select output.
77	DBFB-HIGH	O	DBFB switching signal output.
78	PWM-OUT	I	Not used.
79	PRO-LOGIC	O	Dolby pro-logic control ourput.
80	TC A	O	Deck A, B select output.

Pin No.	Pin Name	I/O	Function
81	NORM	O	NORMAL/HIGH control signal output.
82	BIAS OFF	O	Bias oscillation output.
83	REC MUTE	O	Mute output.
84	NR OFF	O	Dolby ON/OFF signal output.
85	PB	O	REC/PB control signal output.
86	PASS. AMP/DOLBY	O	Dolby switching signal output.
87	LINE MUTE ON	O	Mute signal output for deck.
88	CAP M-HIGH	O	Capstan motor control signal output.
89	A-TRG	O	} Trigger motor control signal output.
90	B-TRG	O	
91	TRG LOW	O	Trigger motor high/low control signal output.
92	CAP M ON	O	Capstan motor ON/OFF control signal output.
93	STEREO	I	Stereo detection signal from tuner.
94	TUNED	I	Tuned detection signal from tuner.
95	ST-CE	O	Latch signal output for tuner.
96	DELAY SEL MIC	O	Not used.
97	DELAY ON	O	ECHO delay ON/OFF control signal output (Not used)
98	DELAY LEVEL A	O	} ECHO delay level control signal output (Not used)
99	DELAY LEVEL B	O	
100	VDD	-	+5V

5-3. BLOCK DIAGRAMS
— MAIN SECTION —

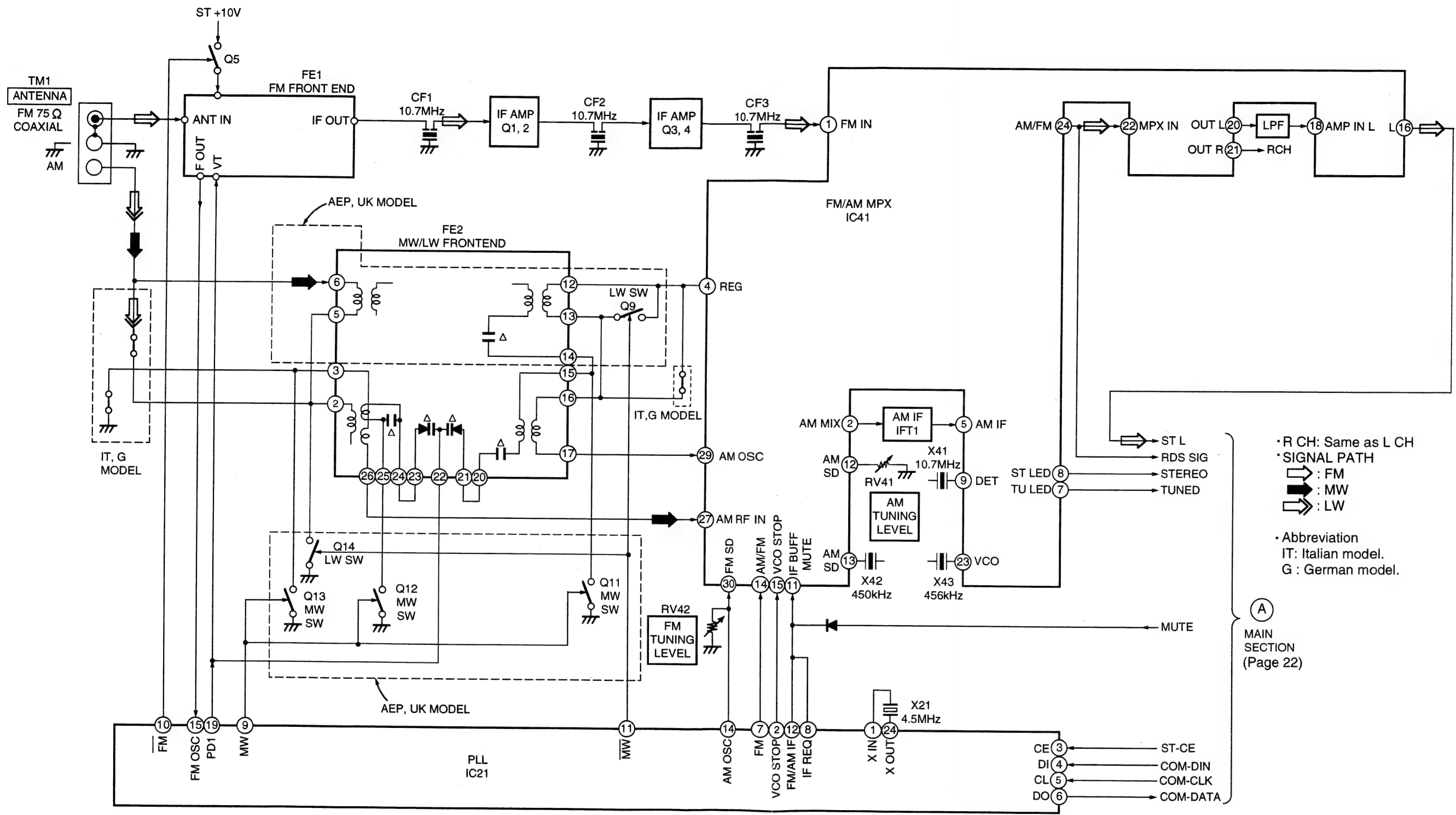


— TUNER SECTION — (US, CND, E, AUS, MX, PX, AR MODEL)



09

— TUNER SECTION — (AEP, UK, G, IT MODEL)

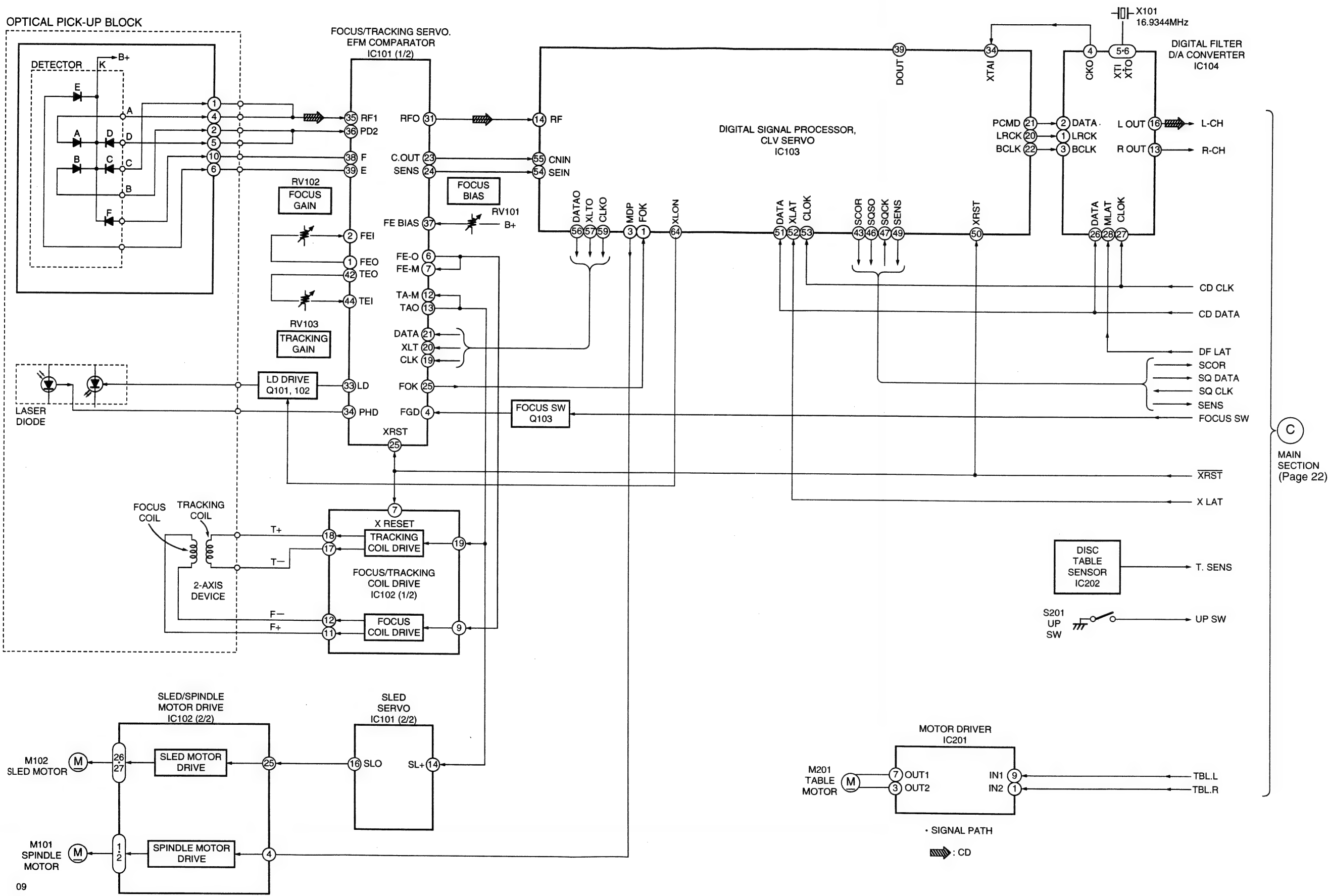


09

(A)
MAIN
SECTION
(Page 22)

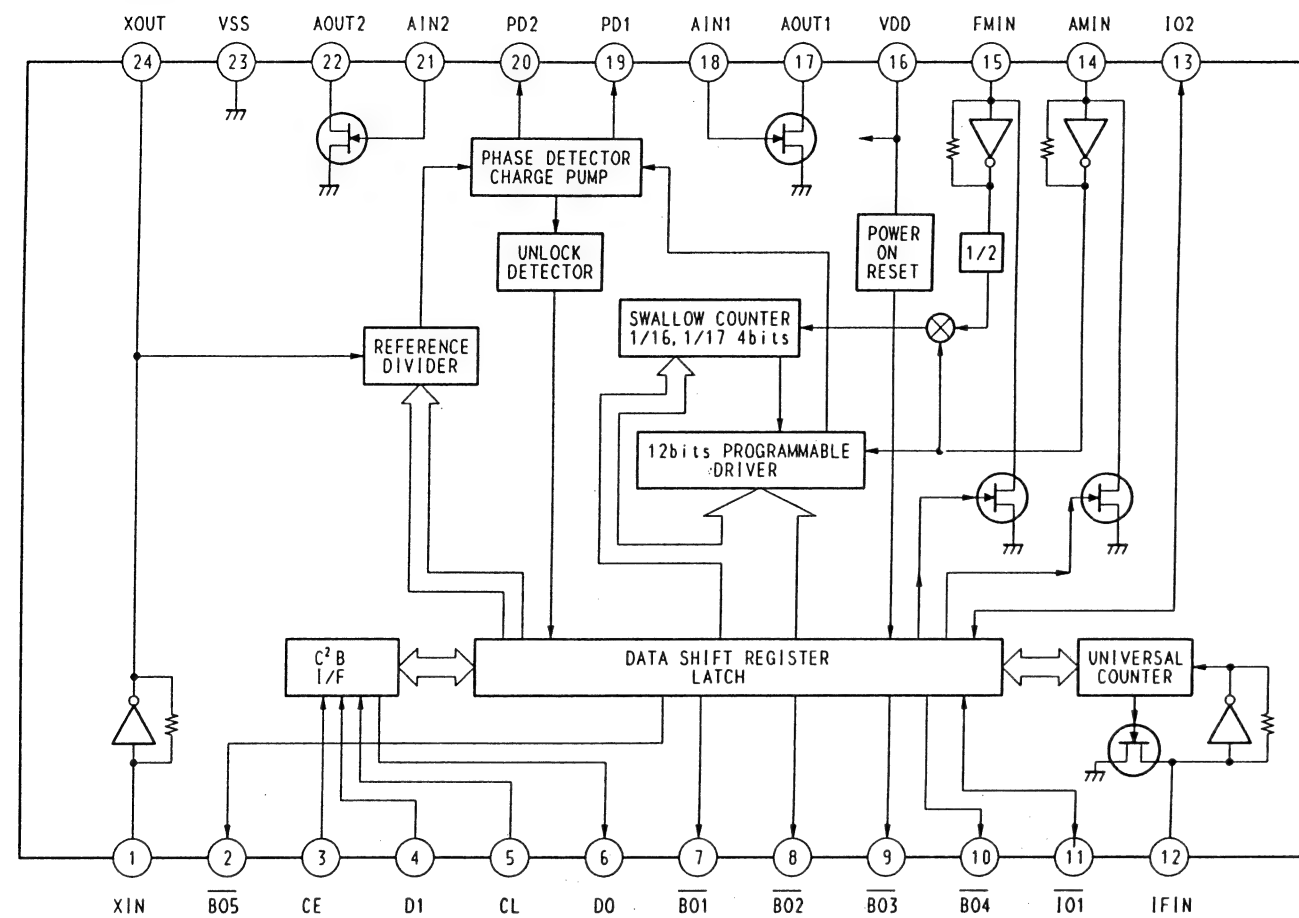


— CD SECTION —

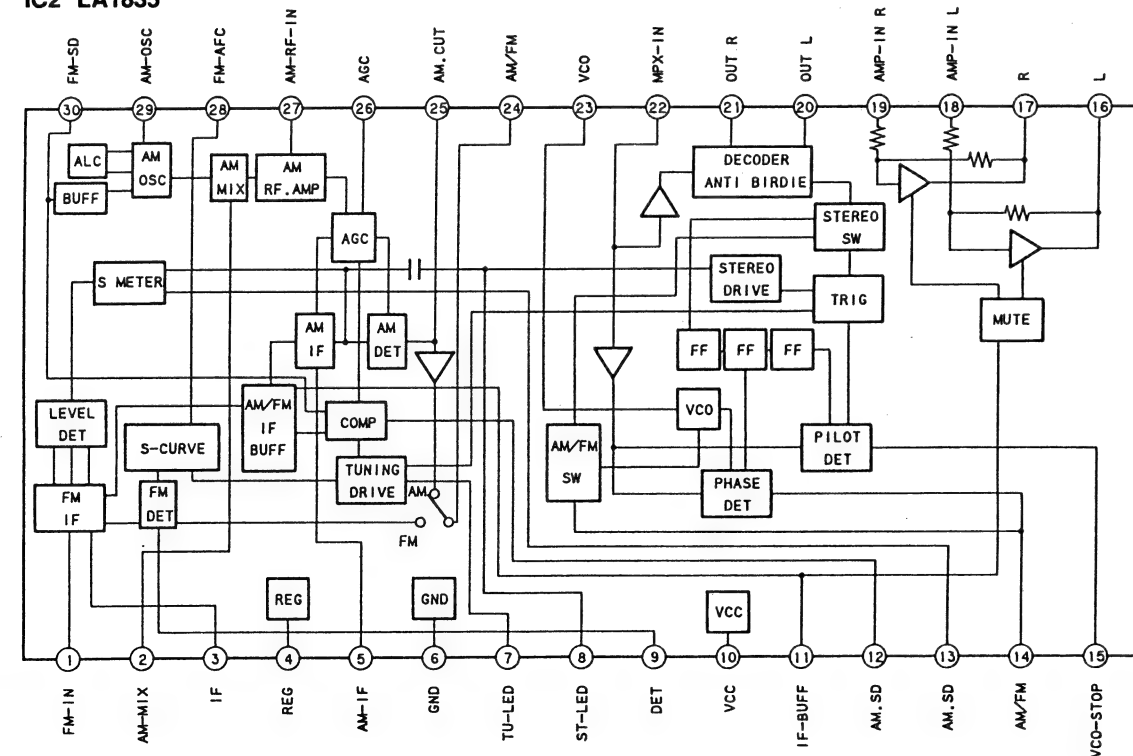


• IC Block Diagrams

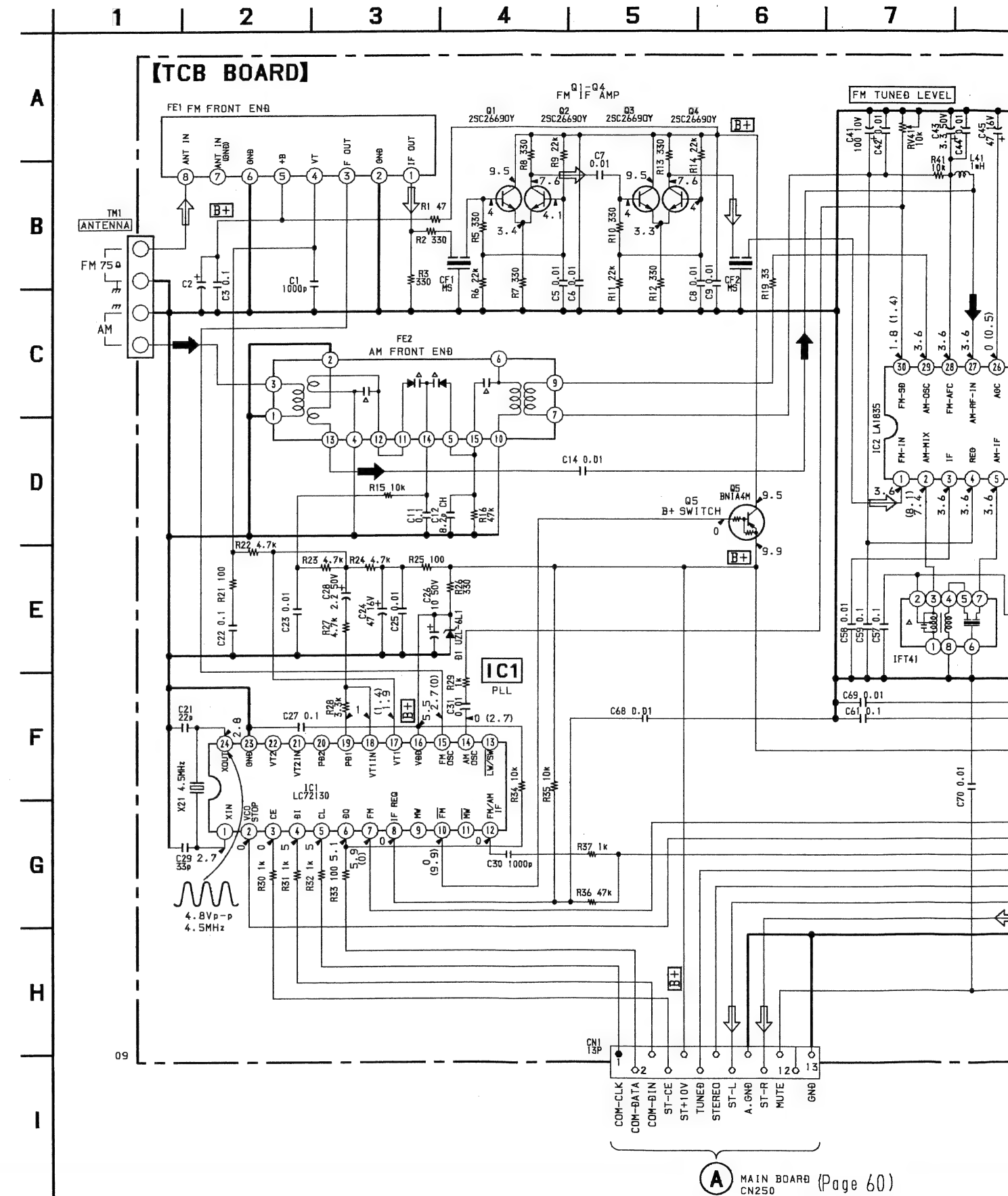
IC1 LC72130



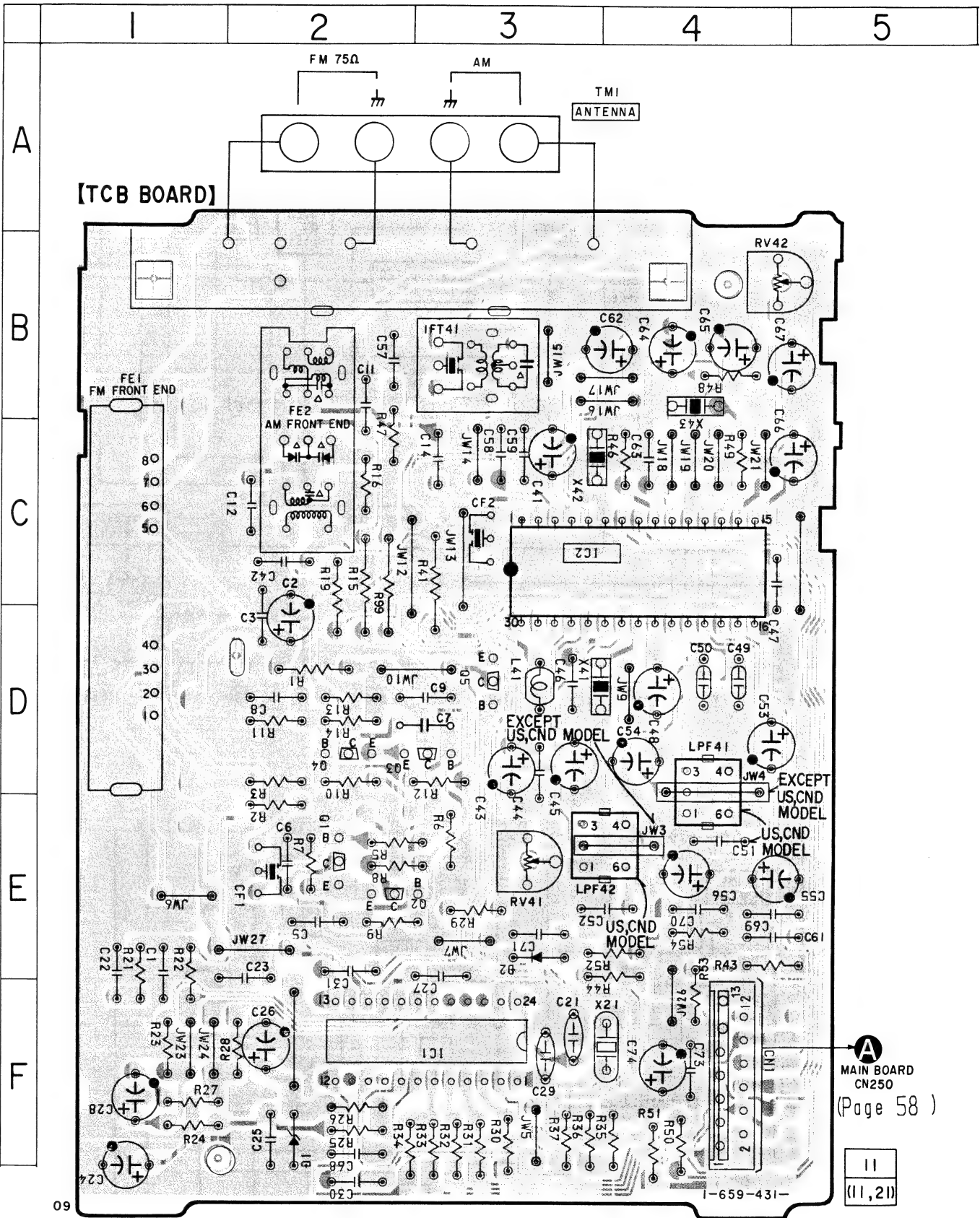
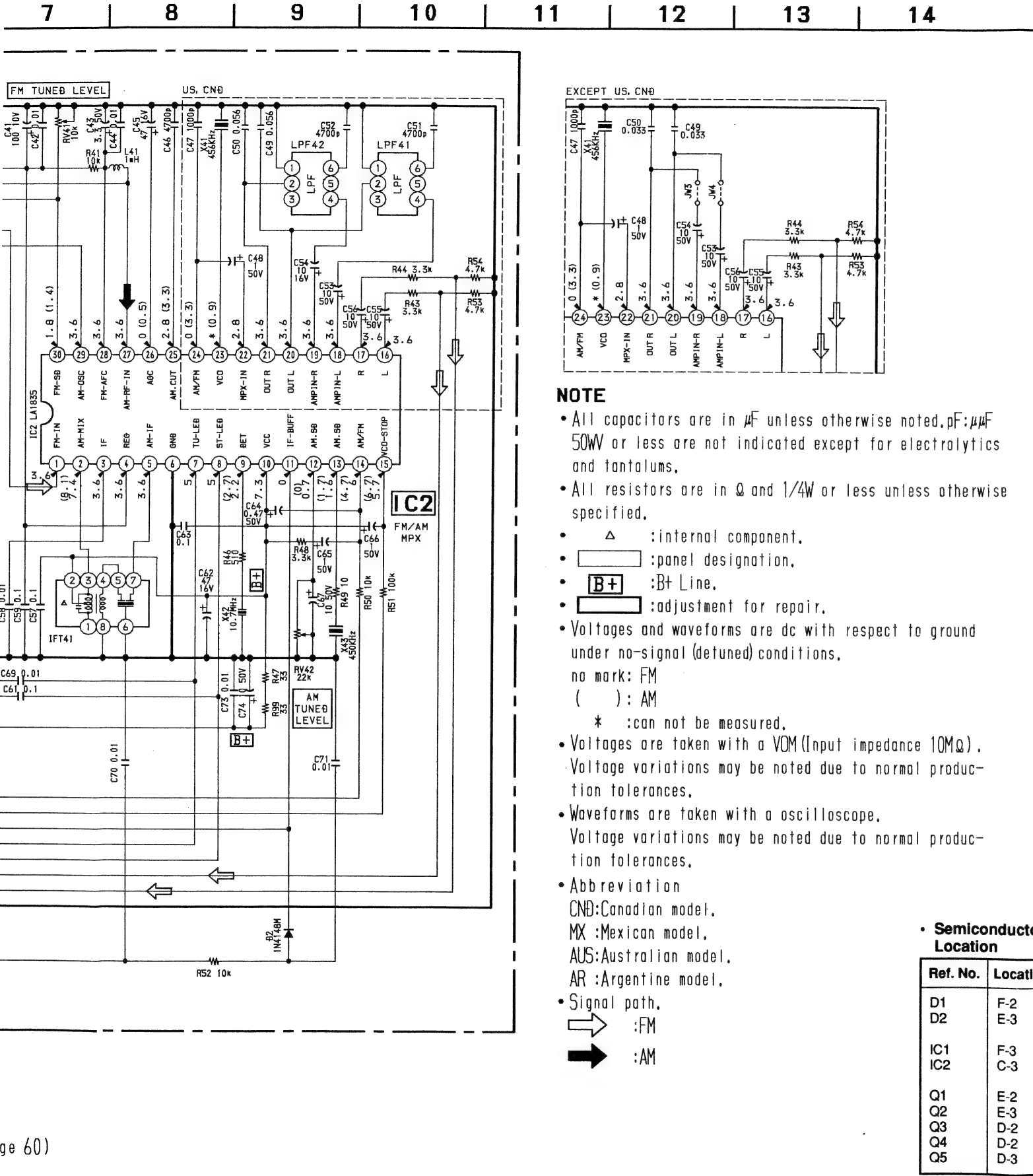
IC2 LA1835



5-4. SCHEMATIC DIAGRAM — TUNER SECTION —
(US, CND, E, AUS, MX, PX, AR MODEL)



5-5. PRINTED WIRING BOARD — TUNER SECTION —
(US, CND, E, AUS, MX, PX, AR MODEL)
• See page 17 for Circuit Boards Location.



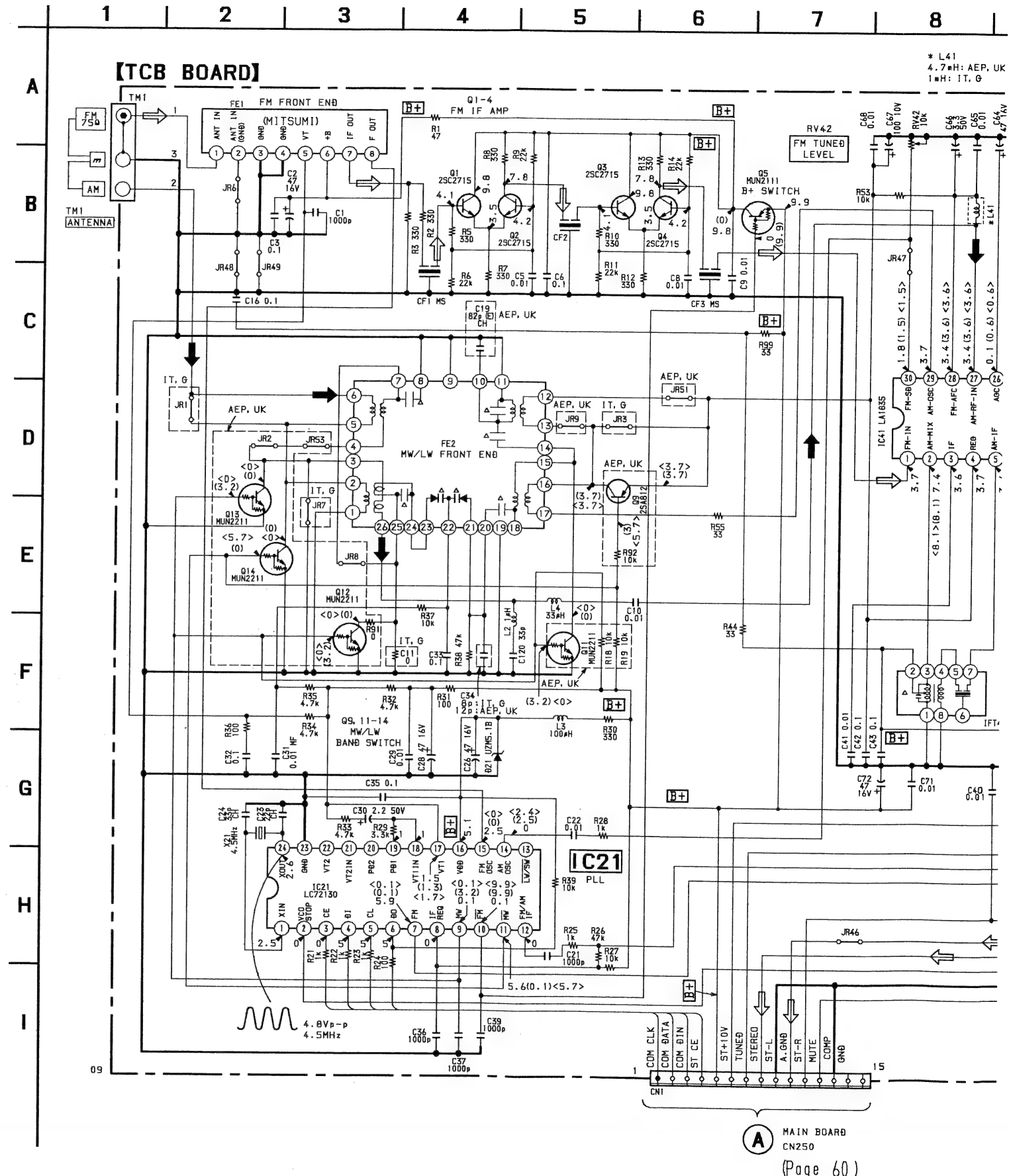
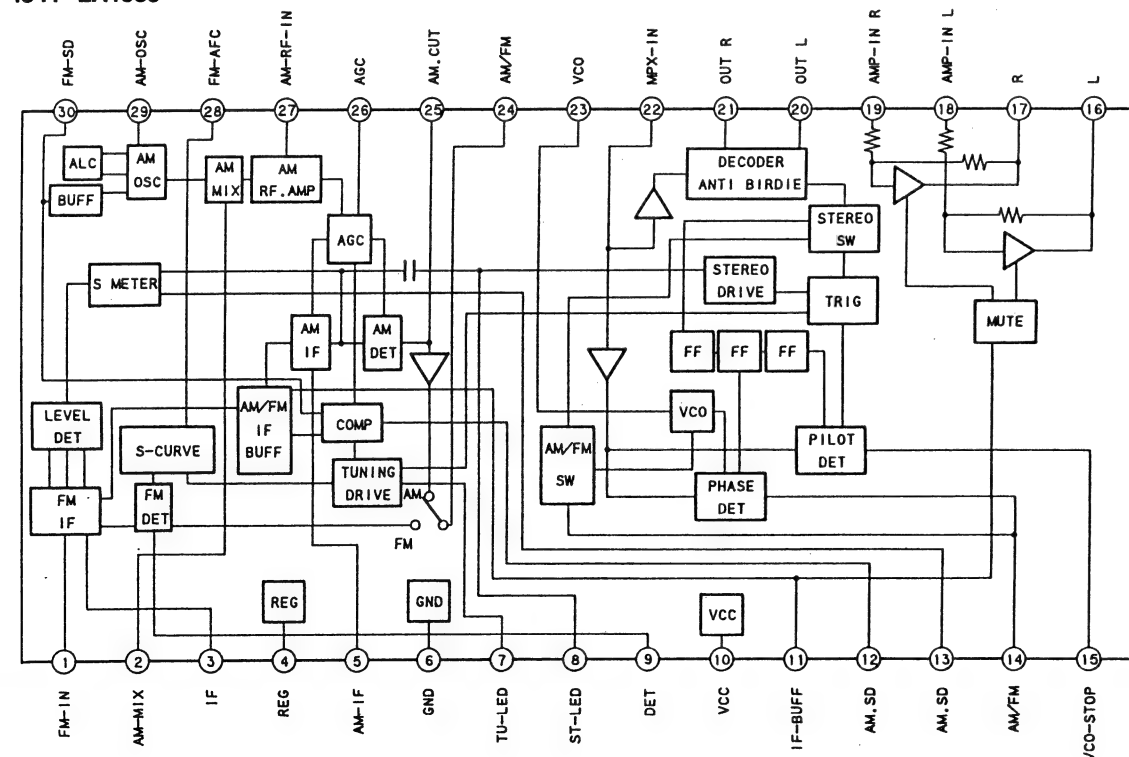
Note:

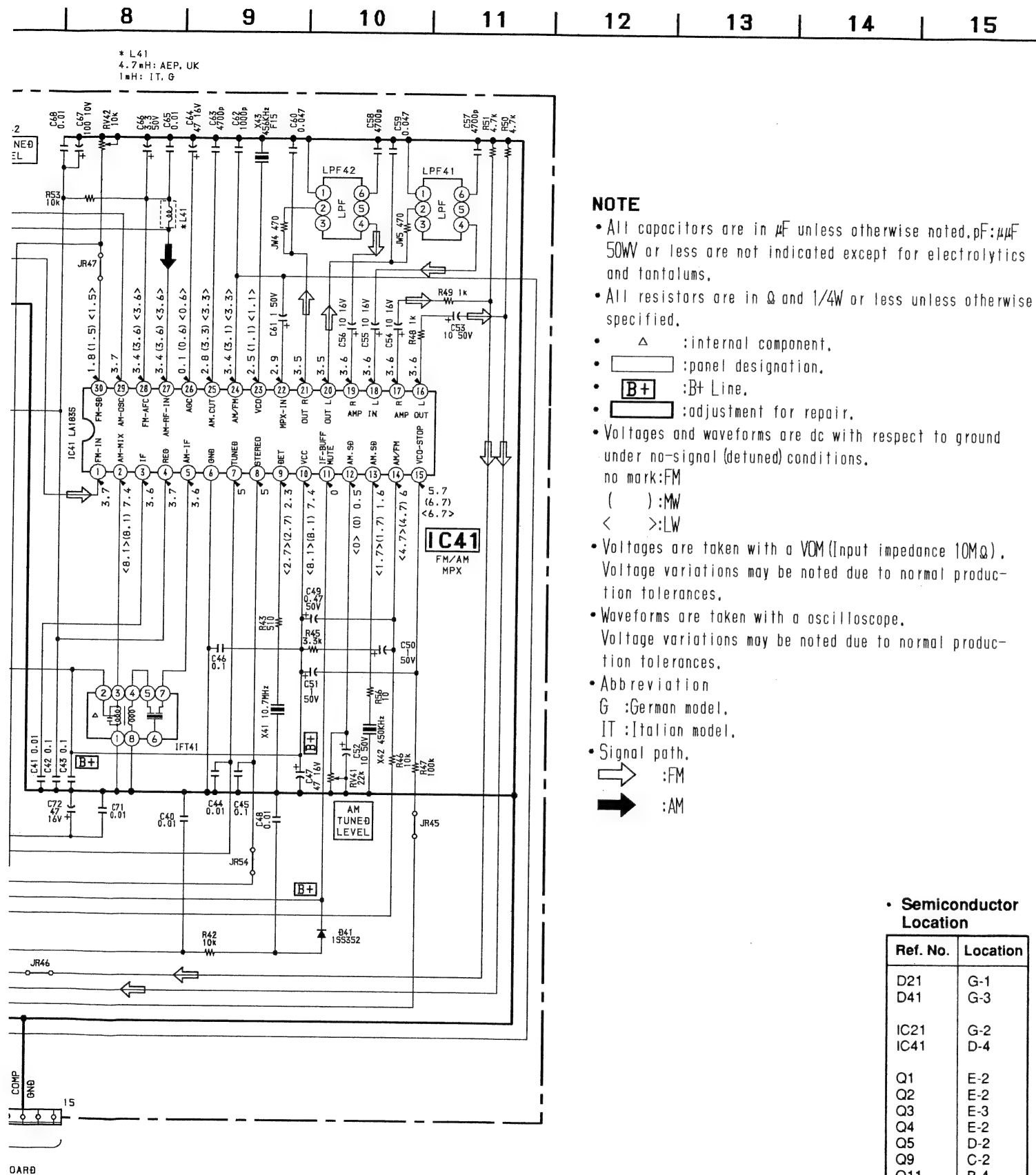
- \square : parts extracted from the component side.
- Δ : Internal component.
- \square : Pattern from the side which enable seeing.

Abbreviation

CND : Canadian model.
MX : Mexican model.
AUS : Australian model.
AR : Argentine model.

IC21 LC72130





NOTE

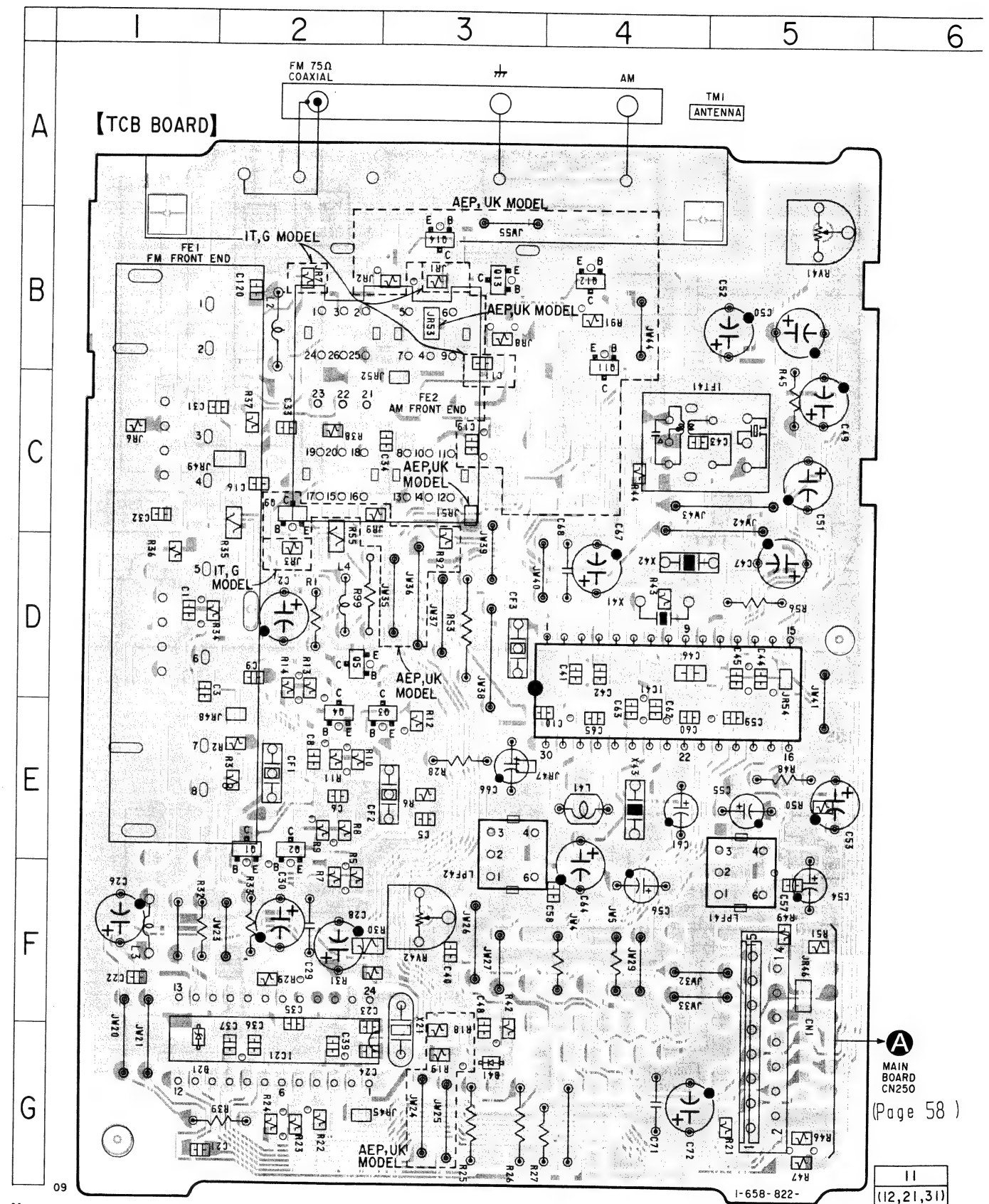
- All capacitors are in μF unless otherwise noted, pF : μF 50W or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4W$ or less unless otherwise specified.
- Δ : internal component.
- \square : panel designation.
- **B+** : B+ Line.
- \square : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- no mark: FM
- () : MW
- < > : LW
- Voltages are taken with a VOM (Input impedance $10M\Omega$). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Abbreviation
G : German model.
IT : Italian model.
- Signal path.
 \Rightarrow : FM
 \Rightarrow : AM

Semiconductor Location

Ref. No.	Location
D21	G-1
D41	G-3
IC21	G-2
IC41	D-4
Q1	E-2
Q2	E-2
Q3	E-3
Q4	E-2
Q5	D-2
Q9	C-2
Q11	B-4
Q12	B-4
Q13	B-3
Q14	B-3

5-7. PRINTED WIRING BOARD — TUNER SECTION — (AEP, UK, G, IT MODEL)

- See page 17 for Circuit Boards Location.

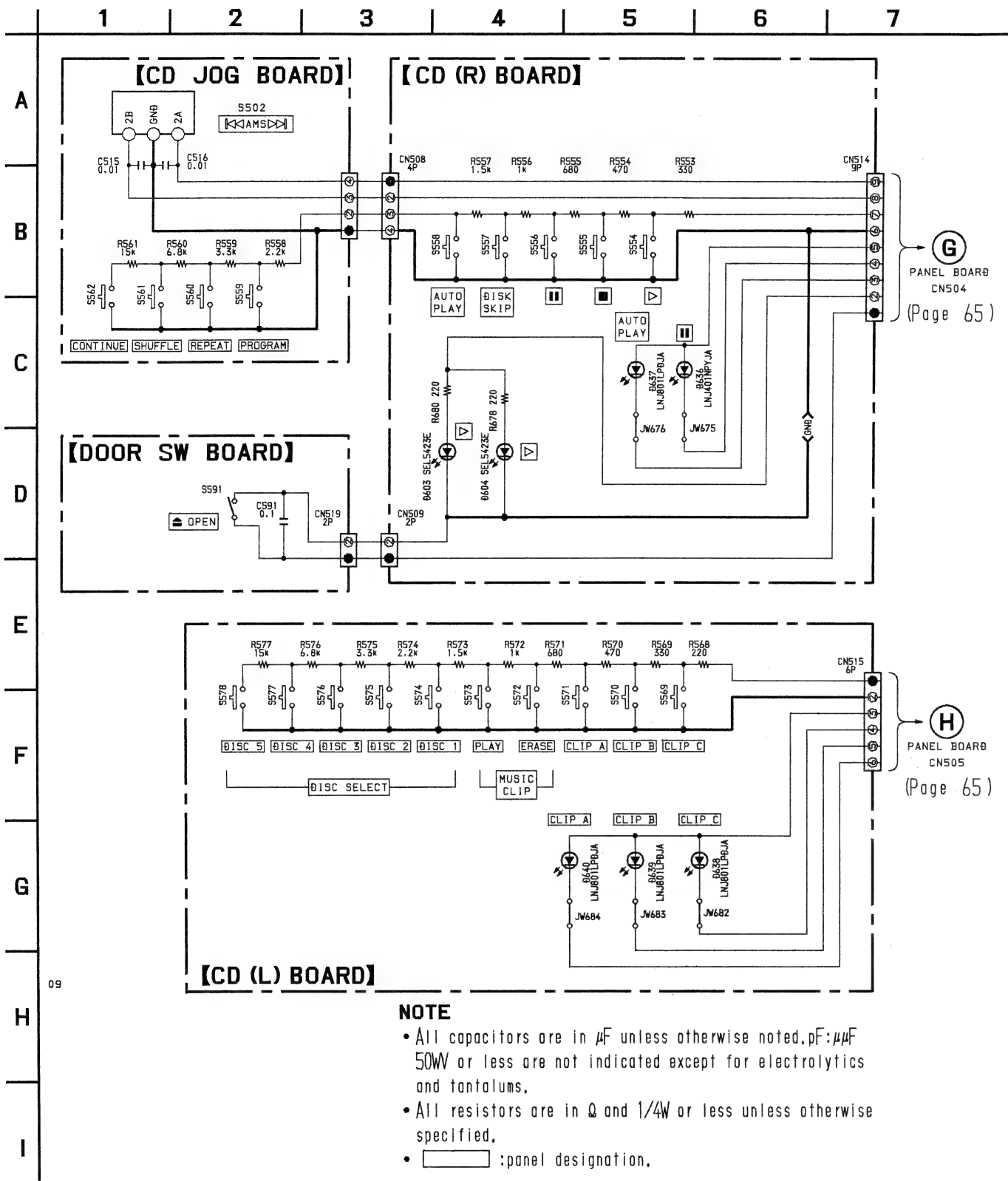


Note:

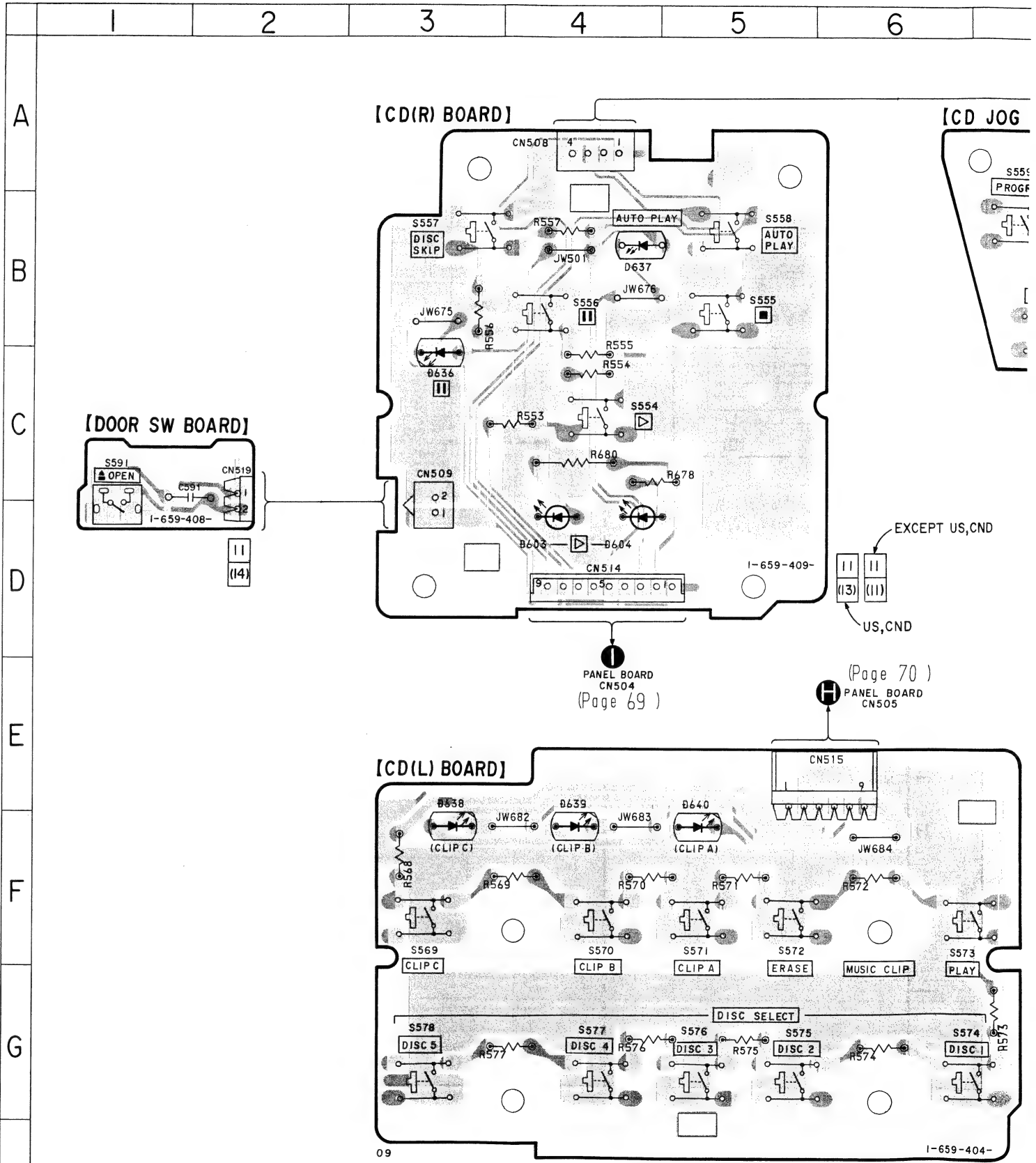
- \circ : parts extracted from the component side.
- Δ : Internal component.
- \square : Pattern from the side which enable seeing.

- Abbreviation
G : German model.
IT : Italian model.

5-8. SCHEMATIC DIAGRAM — CD PANEL SECTION —



5-9. PRINTED WIRING BOARD — CD PANEL SECTION —
• See page 17 for Circuit Boards Location.

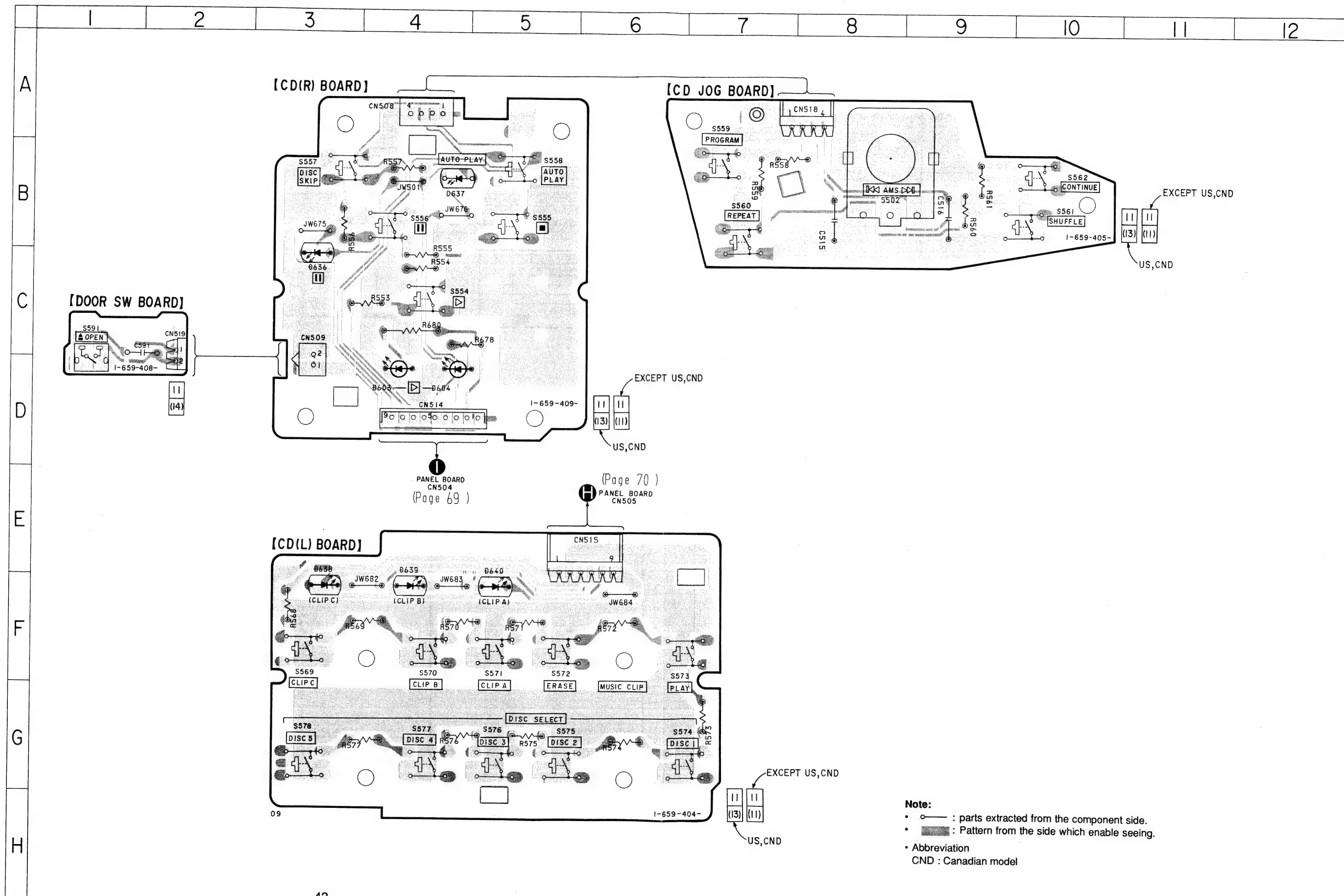


5-9. PRINTED WIRING BOARD — CD PANEL SECTION —

• See page 17 for Circuit Boards Location.

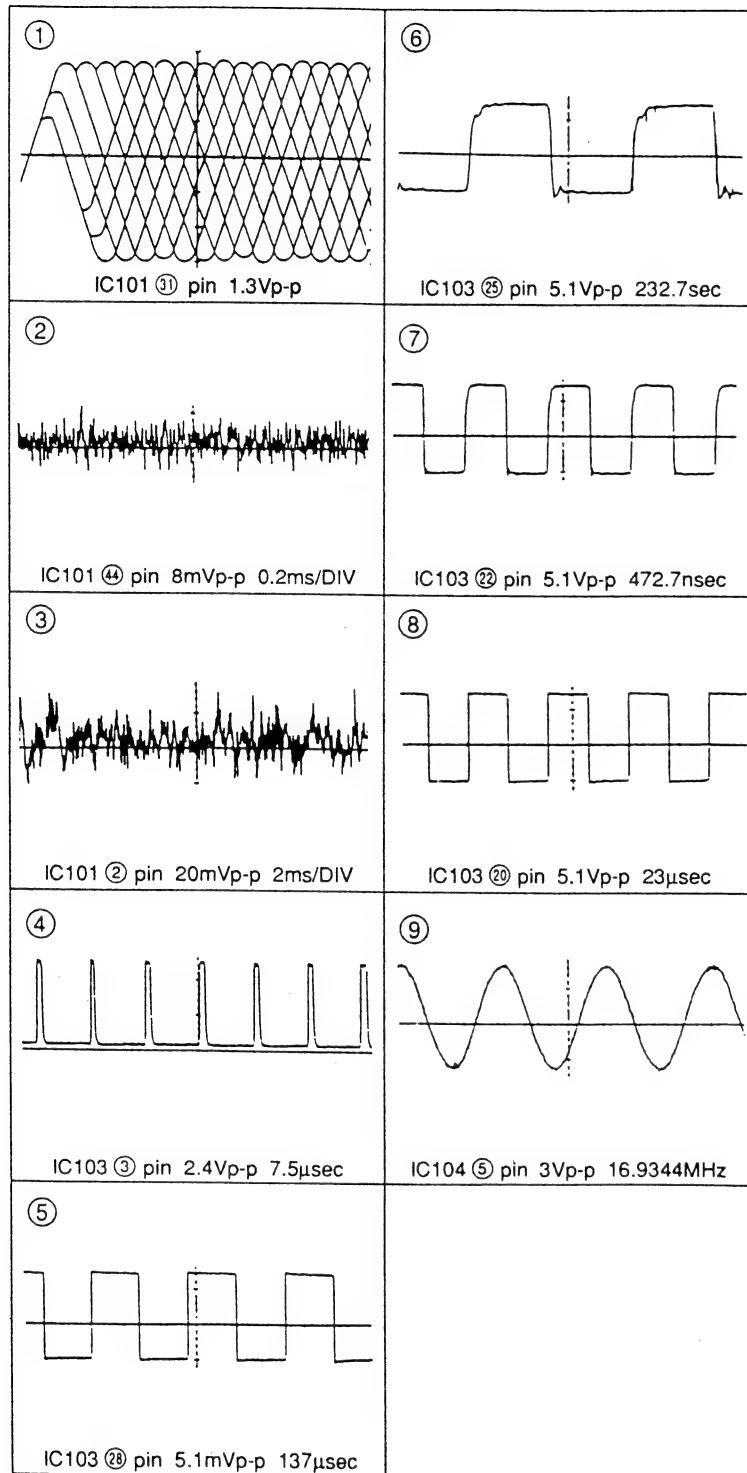
G
INEL BOARD
CN504
age 65)

H
INEL BOARD
CN505
age 65)

**Note:**

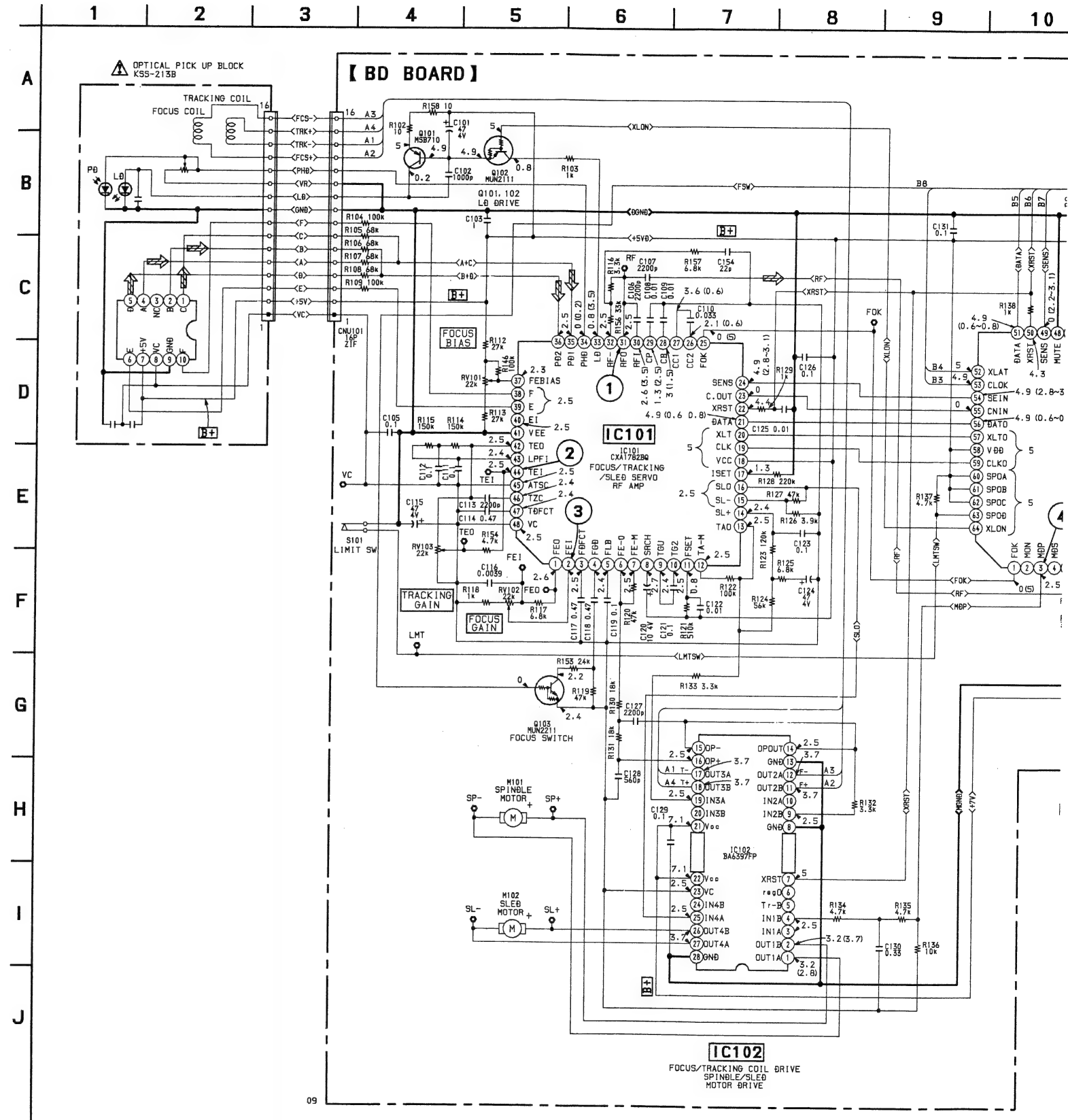
- : parts extracted from the component side.
- : Pattern from the side which enable seeing.
- Abbreviation
CND : Canadian model

- **Waveforms**

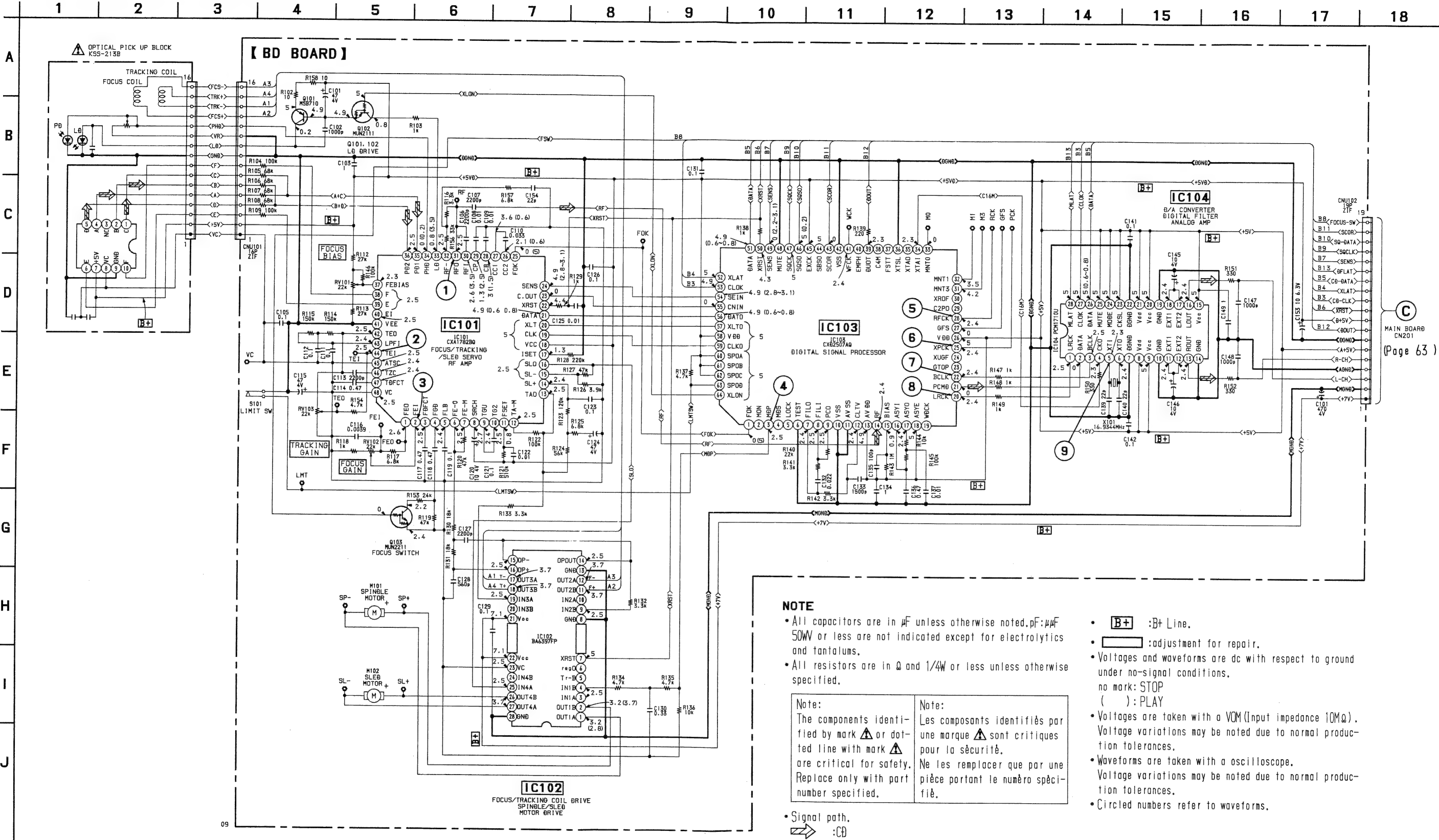


5-10. SCHEMATIC DIAGRAM — CD SECTION —

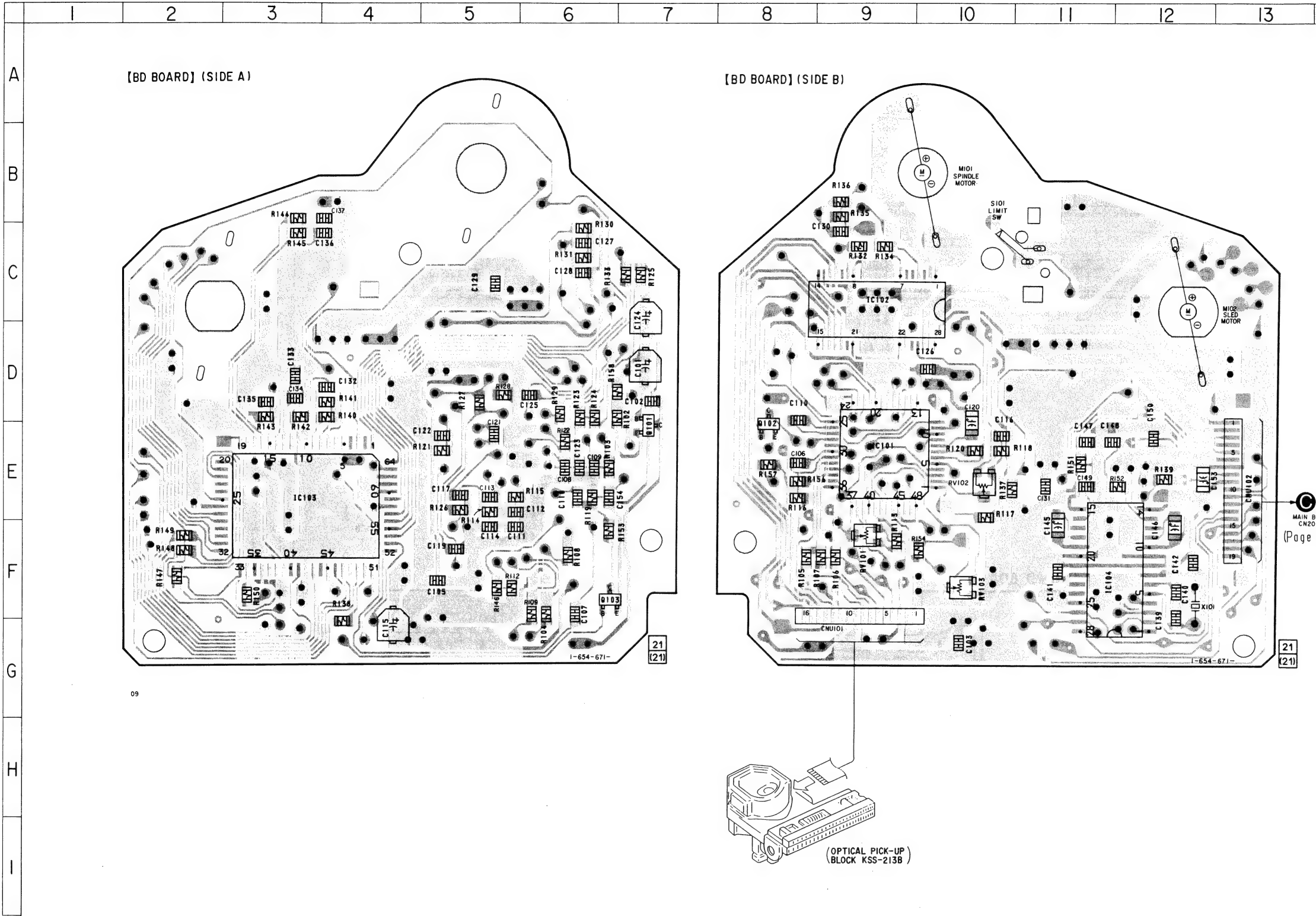
• See page 83, 84 for IC Block Diagrams. (IC101-104)



5-10. SCHEMATIC DIAGRAM — CD SECTION —
• See page 83, 84 for IC Block Diagrams. (IC101-104)



5-11. PRINTED WIRING BOARD — CD SECTION —
• See page 17 for Circuit Boards Location.



• Semiconductor
Location

Ref. No.	Location
IC101	E-9
IC102	C-8
IC103	E-3
IC104	F-11
Q101	D-6
Q102	D-8
Q103	F-6

Note:

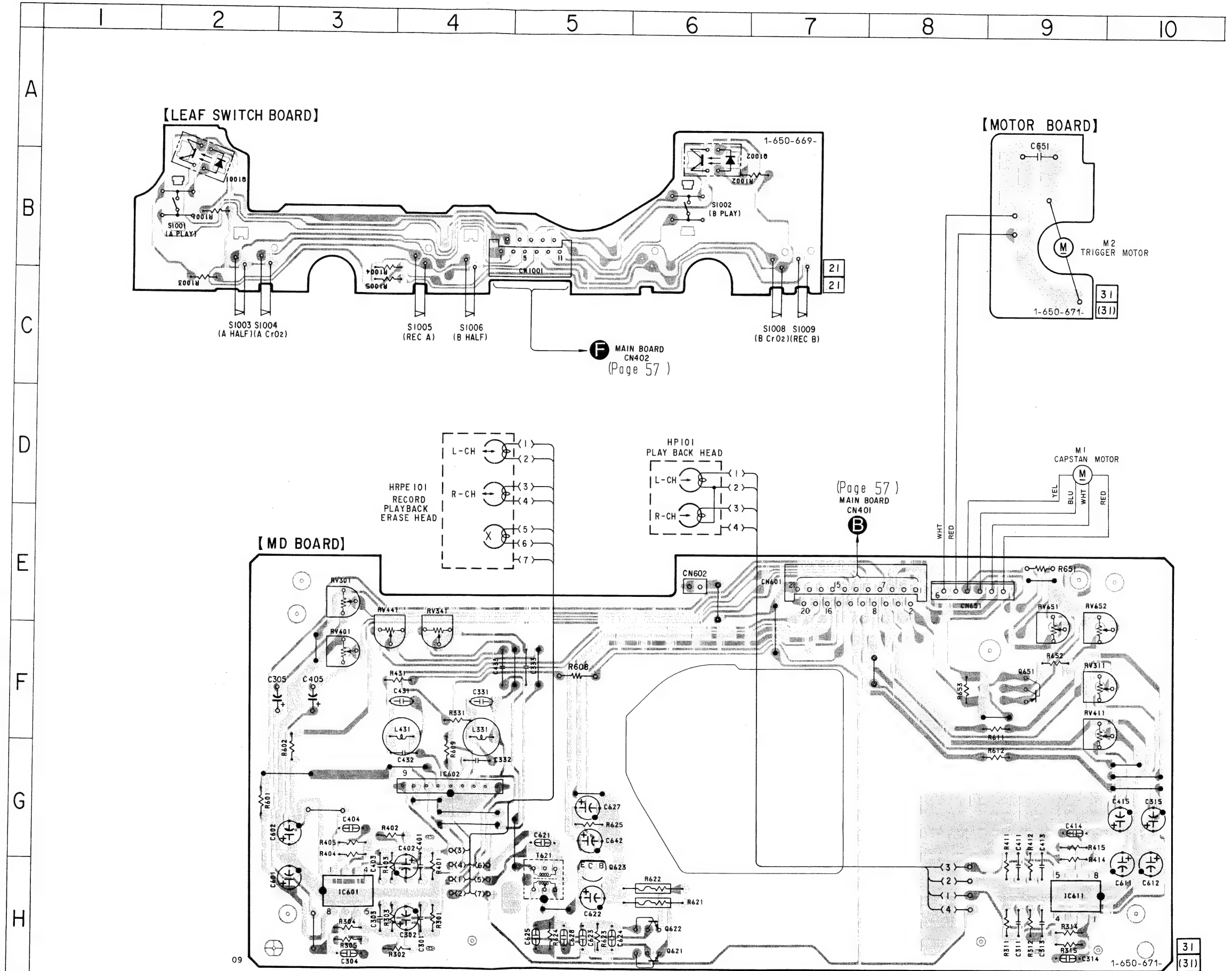
- : parts extracted from the component side.
- : Through hole.
- : Pattern from the side which enable seeing.
(The other layer's patterns are not indicated.)

5-12. PRINTED WIRING BOARD — DECK SECTION —

- See page 17 for Circuit Boards Location.

- **Semiconductor Location**

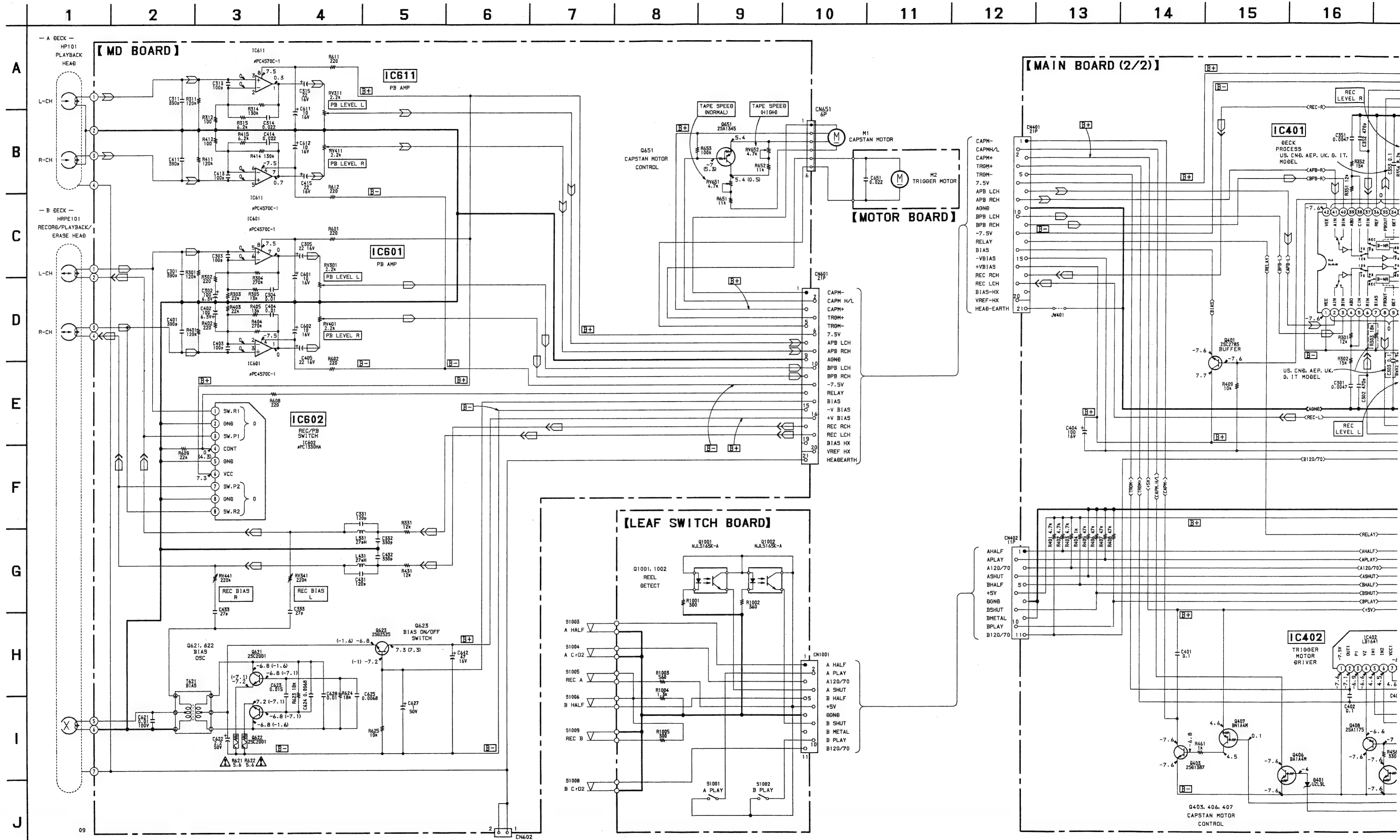
Ref. No.	Location
IC601	H-3
IC602	G-4
IC611	H-9
Q621	H-6
Q622	H-6
Q623	H-5
Q651	F-9
Q1001	B-2
Q1002	B-6



Note:

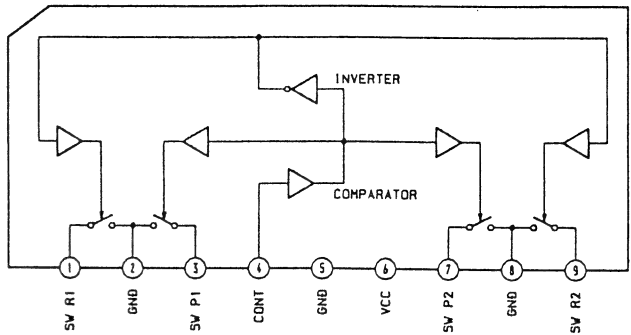
- — : parts extracted from the component side.
- : Pattern from the side which enable seeing.

5-13. SCHEMATIC DIAGRAM — DECK SECTION —
 • See page 57, 58 for Printed Wiring Board. (MAIN BOARD)

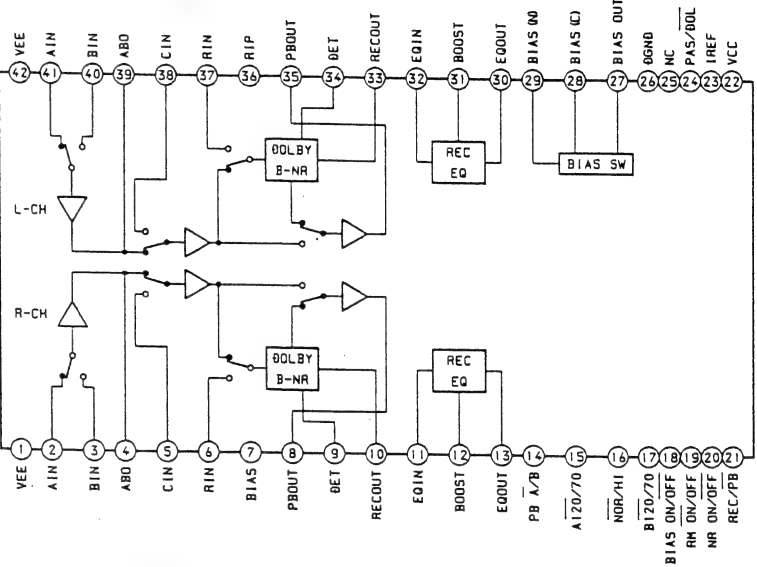


• IC Block Diagrams

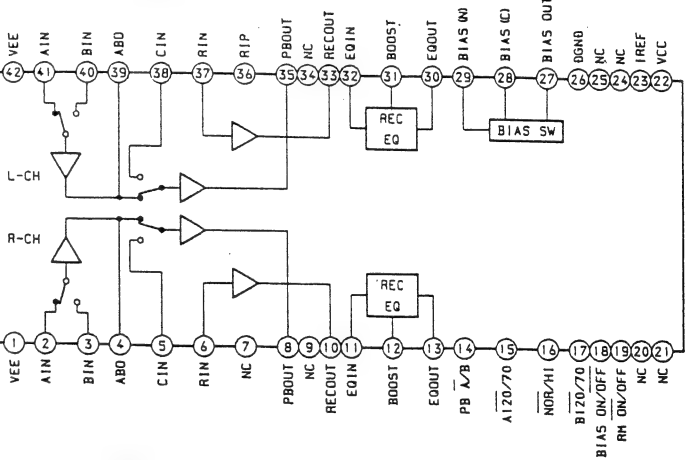
IC602 μ PC1330HA



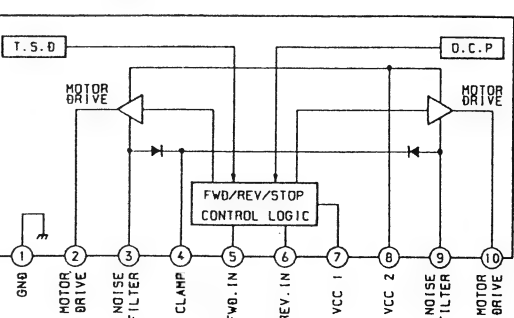
IC401 HA12195NT



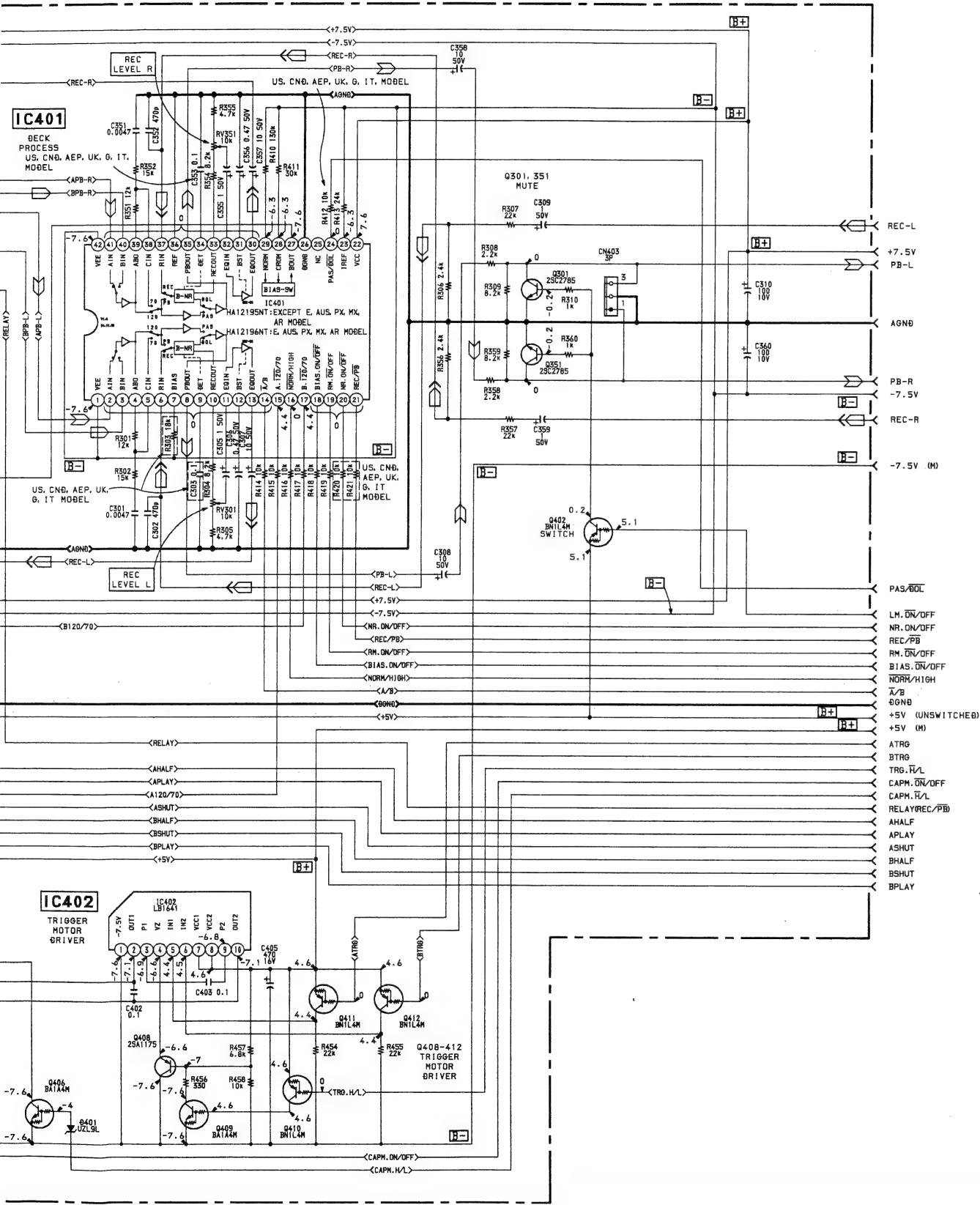
IC401 HA12196NT



IC402 LB1641



16	17	18	19	20	21	22	23	24	25	26
----	----	----	----	----	----	----	----	----	----	----



- NOTE**
- All capacitors are in μ F unless otherwise noted. pF: μ F 50W or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and 1/4W or less unless otherwise specified.
 - : fusible resistor.

Note:
The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

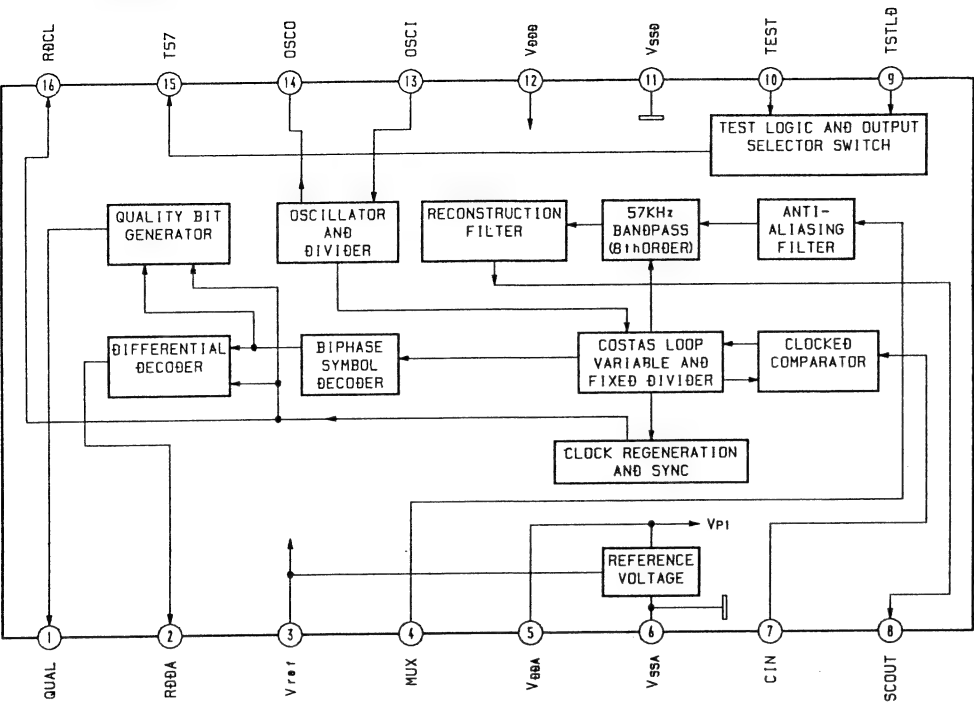
Note:
Les composants identifiés par une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- : B+ Line.
- : B- Line.
- : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
- no mark: PLAY
- () : REC
- Voltages are taken with a VOM (input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Abbreviation
CND: Canadian model.
G : German model.
IT : Italian model.
EE : East European model.
MX : Mexican model.
AUS: Australian model.
AR : Argentine model.
- Signal path.
 : PB (DECK A)
 : PB (DECK B)
 : REC (DECK B)

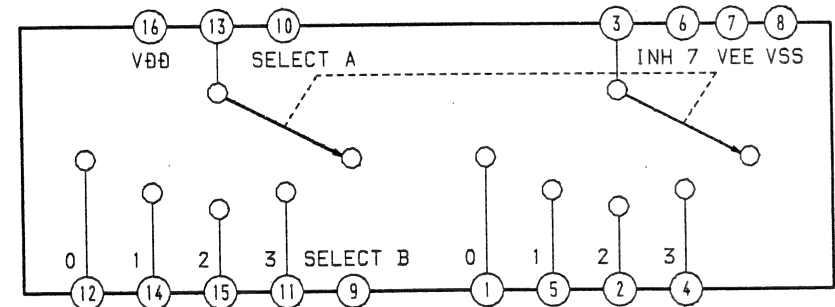
B
MAIN BOARD
(1/2)
(Page 61)

• IC Block Diagrams

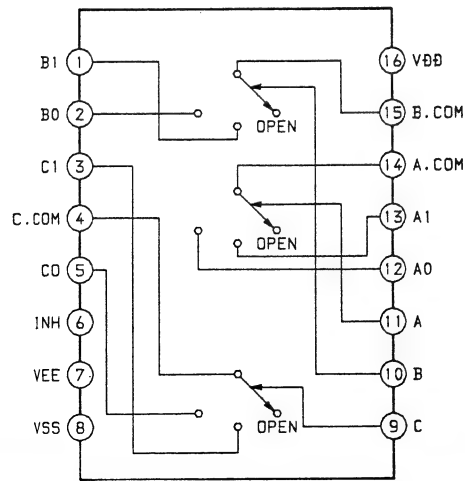
IC250 SAA6579



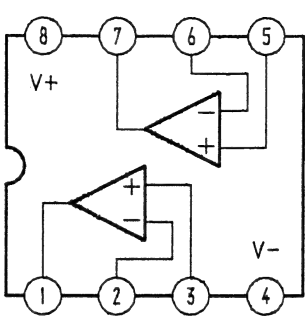
IC802 MC14052BCP



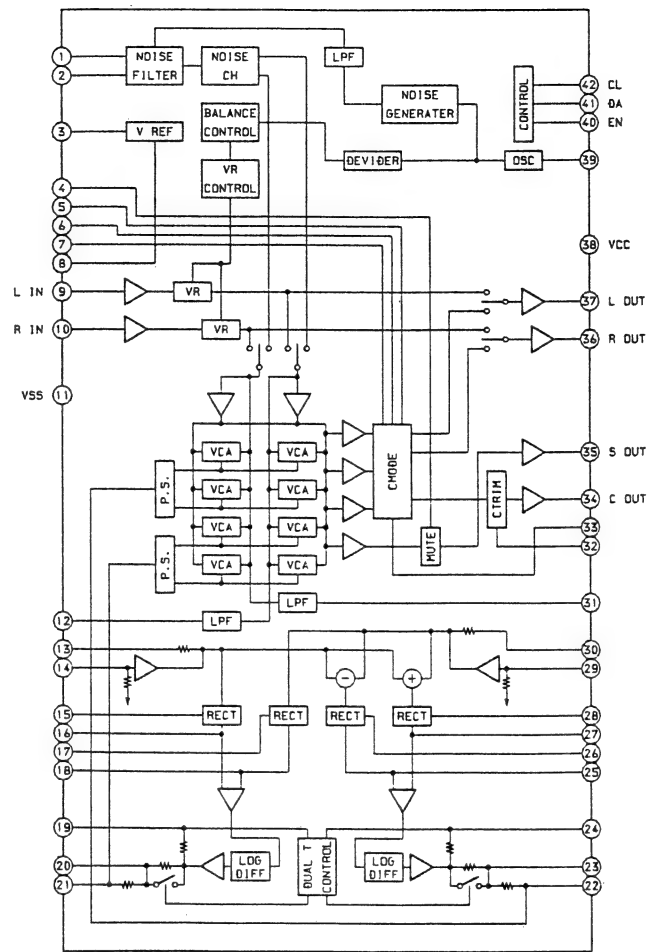
IC803 MC14053BCP



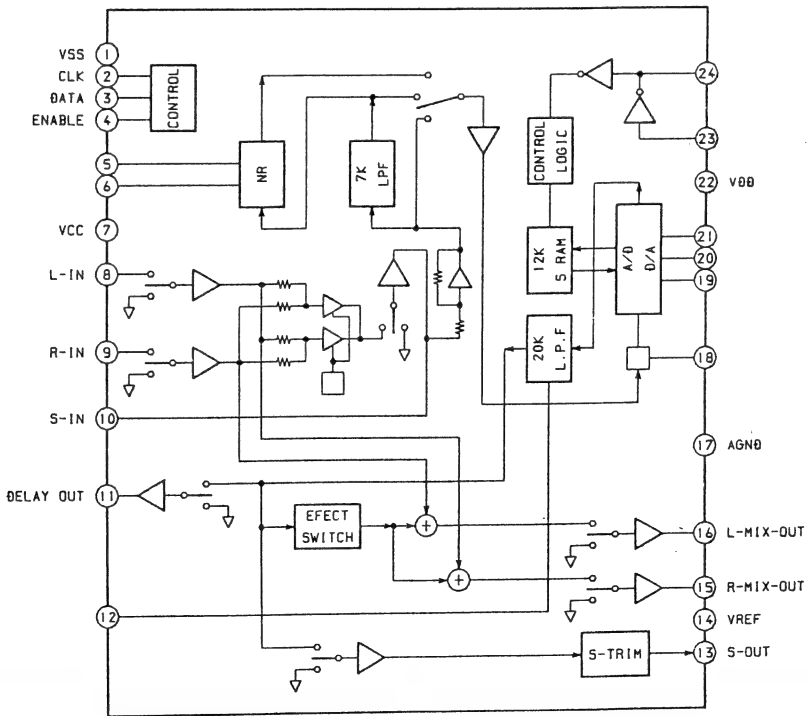
IC251 RC4558P



IC1101 LA2785



IC1102 LV1011



• Semiconductor Location

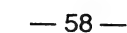
Ref. No.	Location	Ref. No.	Location
D201	E-7	IC901	I-11
D202	E-7	IC902	L-14
D251	C-12	IC1001	H-6
D401	C-5	IC1002	H-7
D701	E-4	IC1003	I-6
D702	D-4	IC1004	I-8
D703	D-3	IC1101	I-15
D704	D-3	IC1102	H-15
D705	D-3	IC1103	F-15
D706	E-4	IC1104	E-12
D707	E-4		
D708	D-9	Q301	B-9
D711	H-4	Q351	B-8
D901	J-10	Q401	B-4
D902	J-10	Q402	C-9
D1001	K-7	Q403	C-4
D1002	K-8	Q406	C-4
D1003	K-6	Q407	C-4
D1007	H-6	Q408	B-2
D1008	K-9	Q409	C-2
D1009	I-5	Q410	C-4
D1010	I-7	Q411	B-2
D1011	J-4	Q412	C-4
D1012	J-5	Q701	E-5
D1013	K-4	Q820	H-9
D1014	K-5	Q821	D-15
D1015	J-4	Q822	D-15
D1016	J-5	Q823	D-15
D1017	I-5	Q824	D-14
D1018	H-5	Q830	L-16
D1019	J-3	Q901	J-12
		Q902	J-12
IC250	B-12	Q951	H-11
IC251	B-13	Q952	H-10
IC401	B-6	Q953	K-11
IC402	A-3	Q954	L-12
IC701	D-6	Q1001	I-4
IC702	D-4	Q1002	I-4
IC801	B-15	Q1003	J-9
IC802	B-15	Q1006	J-5
IC803	D-12	Q1101	D-11
IC805	L-14	Q1102	D-11

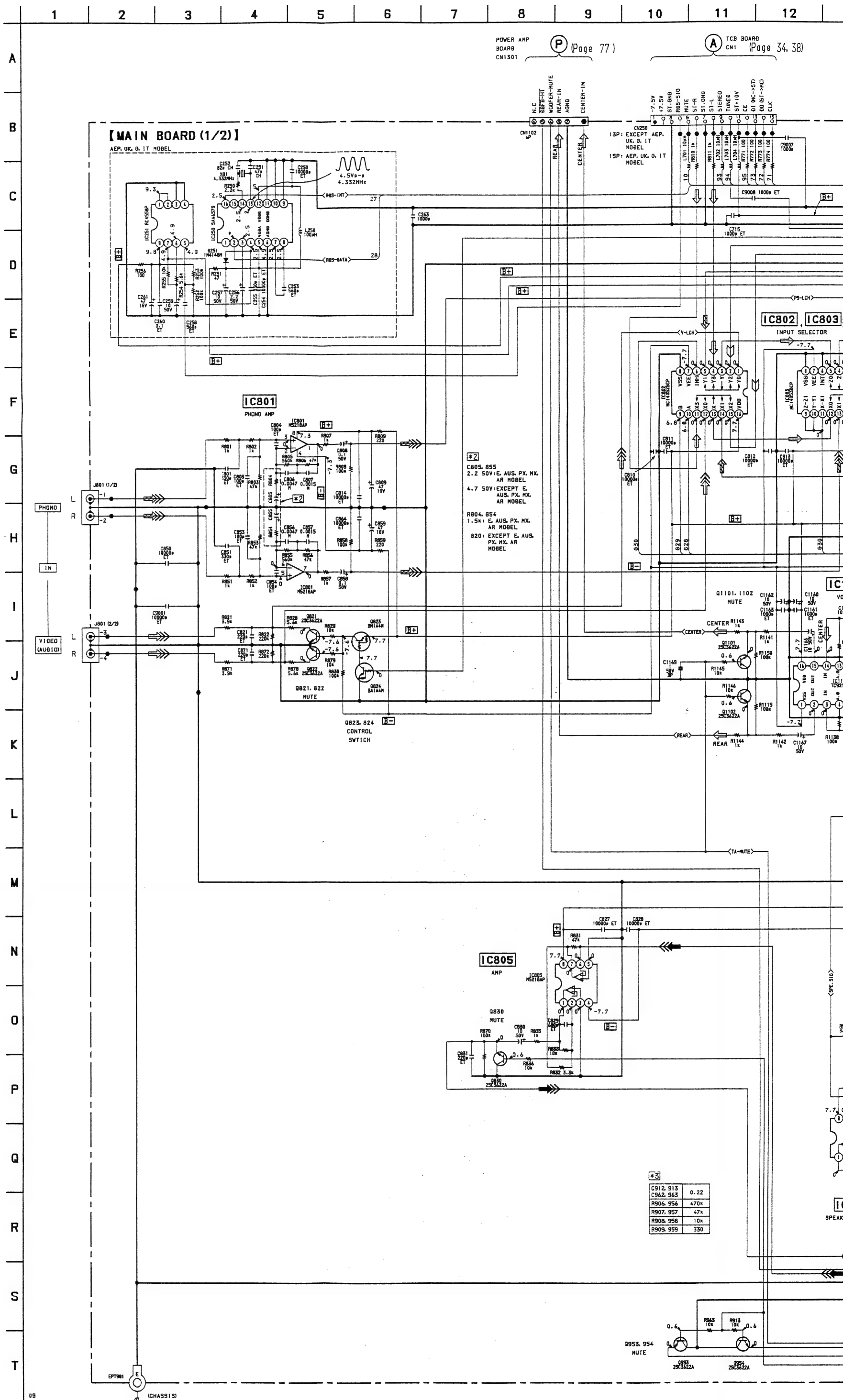
Note:

- : parts extracted from the component side.
- : parts mounted on the conductor side.
- : Internal component.
- : Pattern from the side which enable seeing.
- Abbreviation
CND : Canadian model.
G : German model.
IT : Italian model.
MX : Mexican model.
AUS : Australian model.
AR : Argentine model

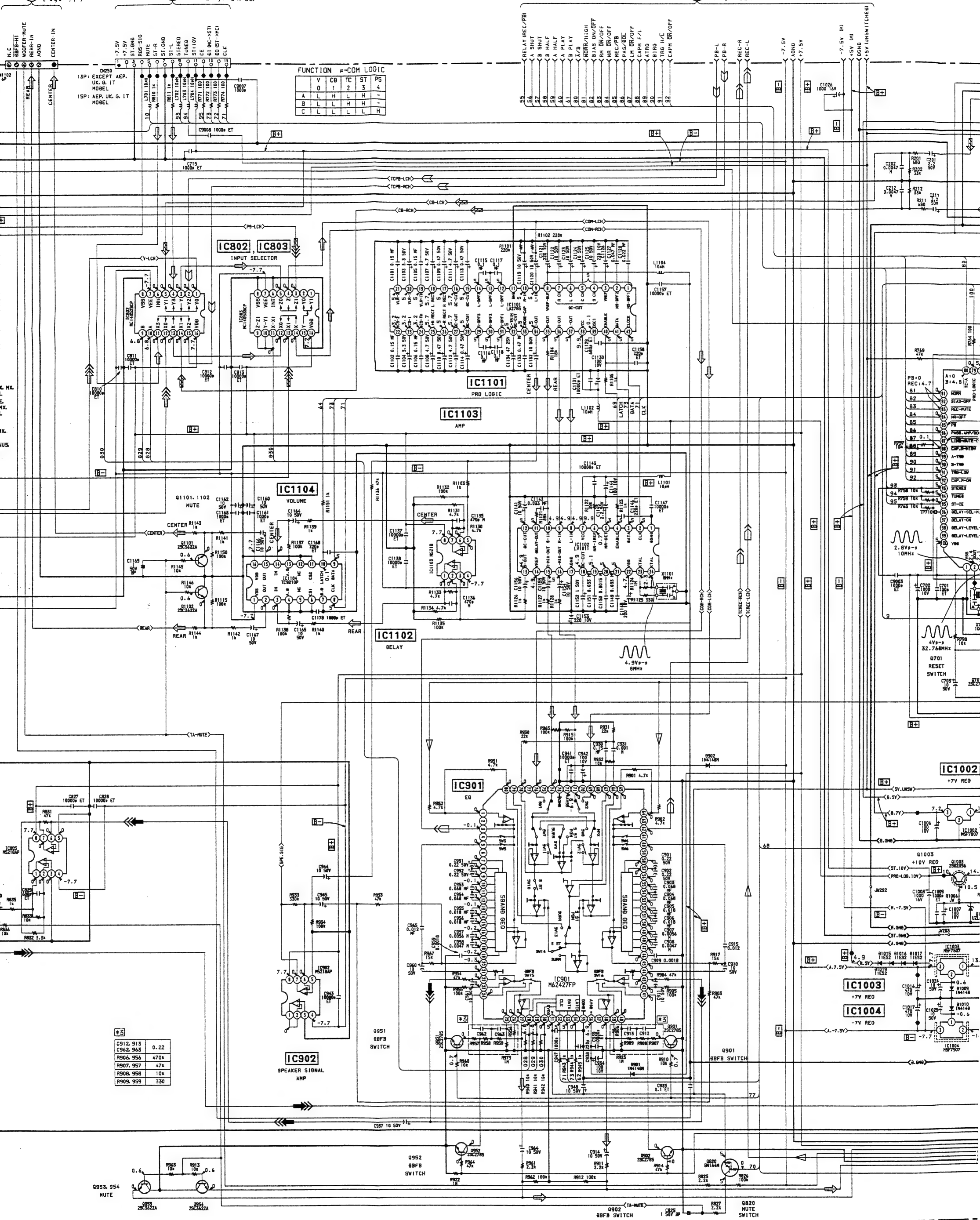
- See page 17 for Circuit Boards Location.

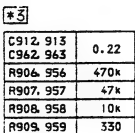
ble seeing.

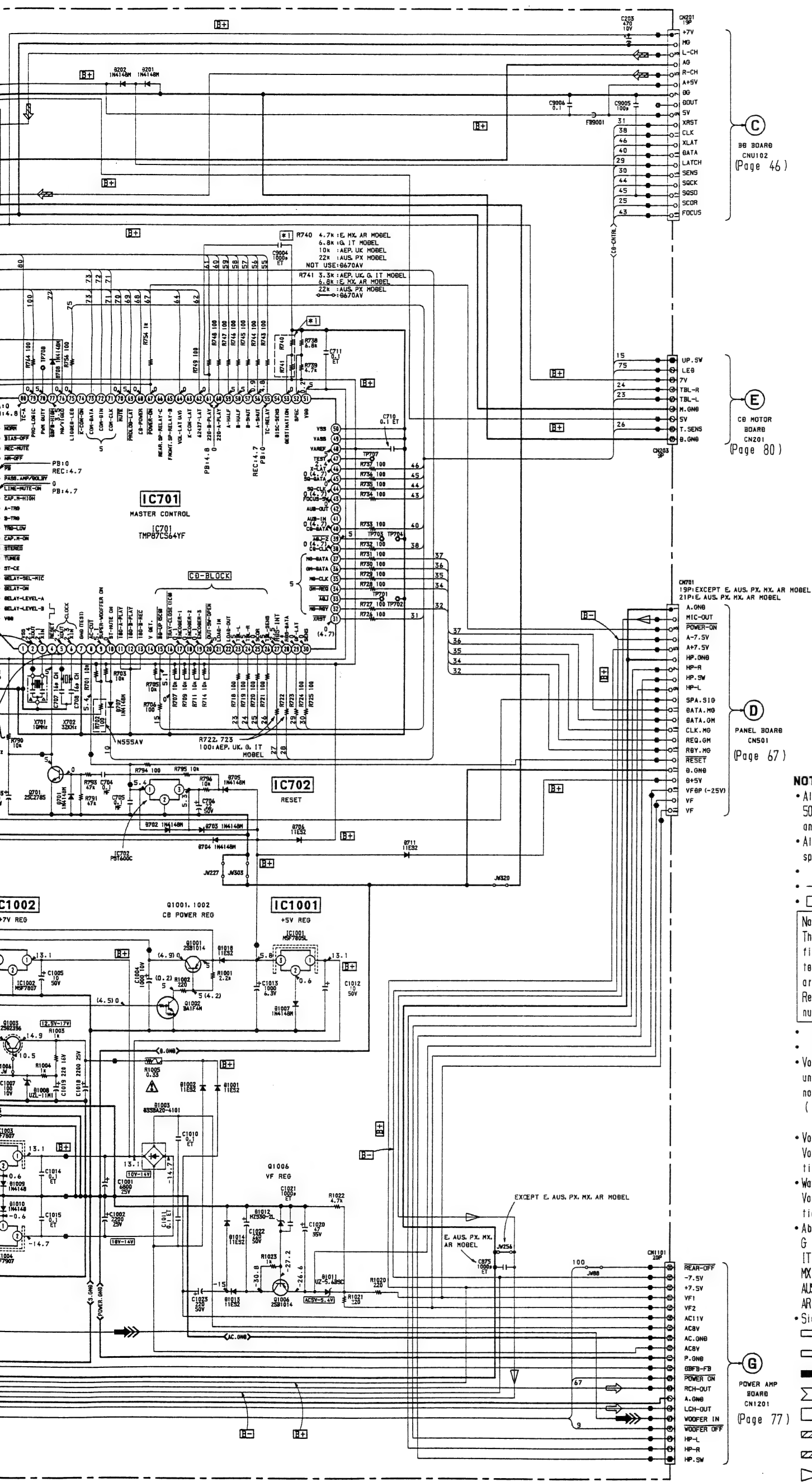




(P) (Page 77)

(A) TCB BOARD
CNI (Page 34, 38)(B) MAIN BOARD (2/2)
(Page 53)





(C)
BB BOARD
CNU102
(Page 46)

(E)
CB MOTOR
BOARD
CN201
(Page 80)

(D)
PANEL BOARD
CN501
(Page 67)

NOTE

- All capacitors are in μF unless otherwise noted. $\text{pF} = \mu\text{F} \times 10^{-6}$. 50W or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/\text{W}$ or less unless otherwise specified.
- Δ : internal component.
- FUS : fusible resistor.
- \square : panel designation.

Note:

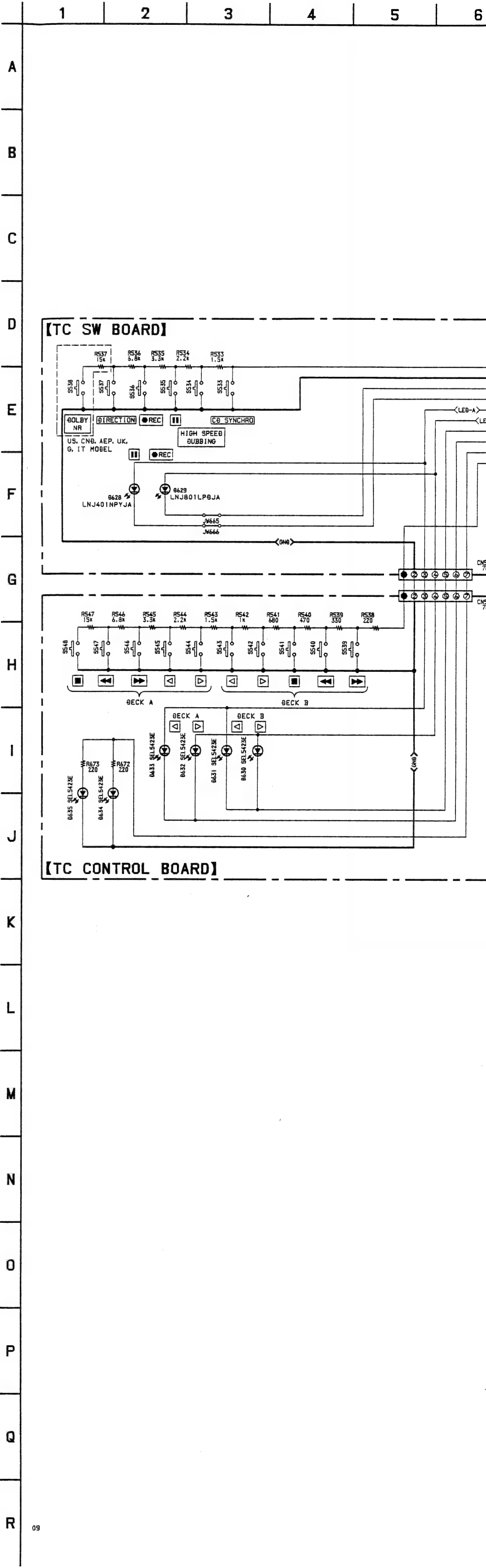
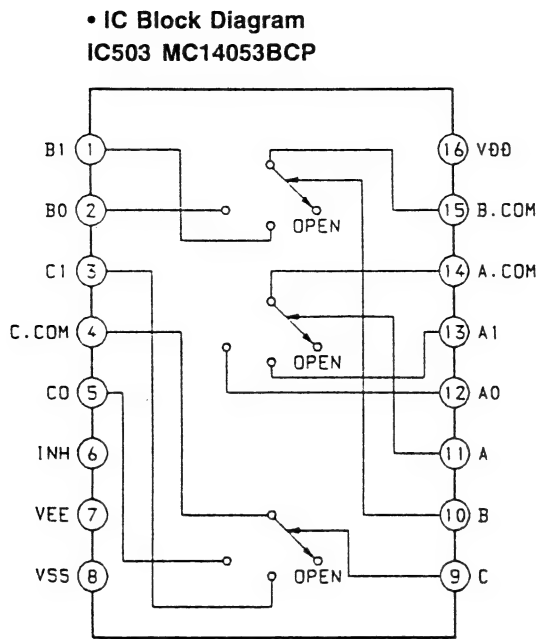
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Note:

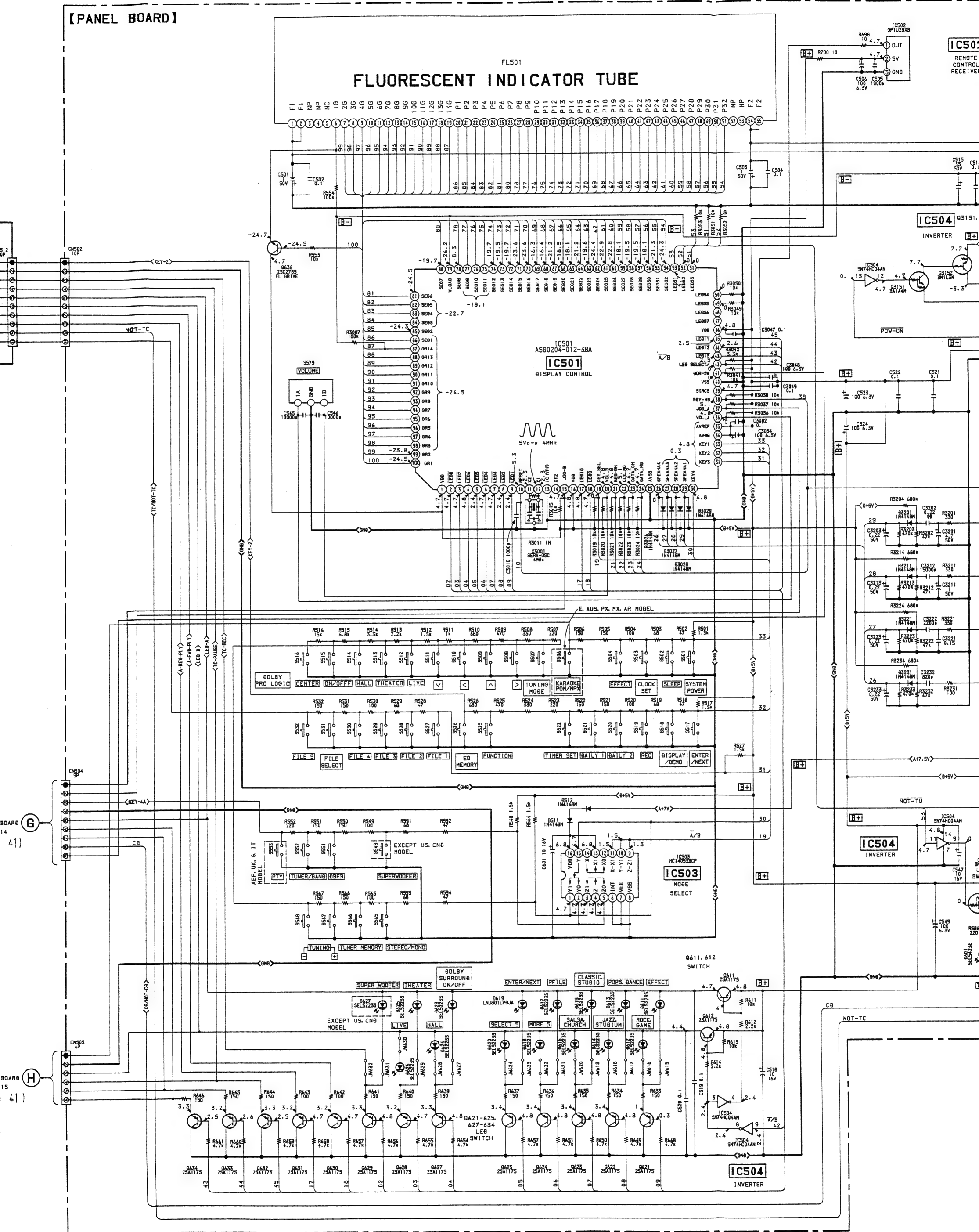
Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

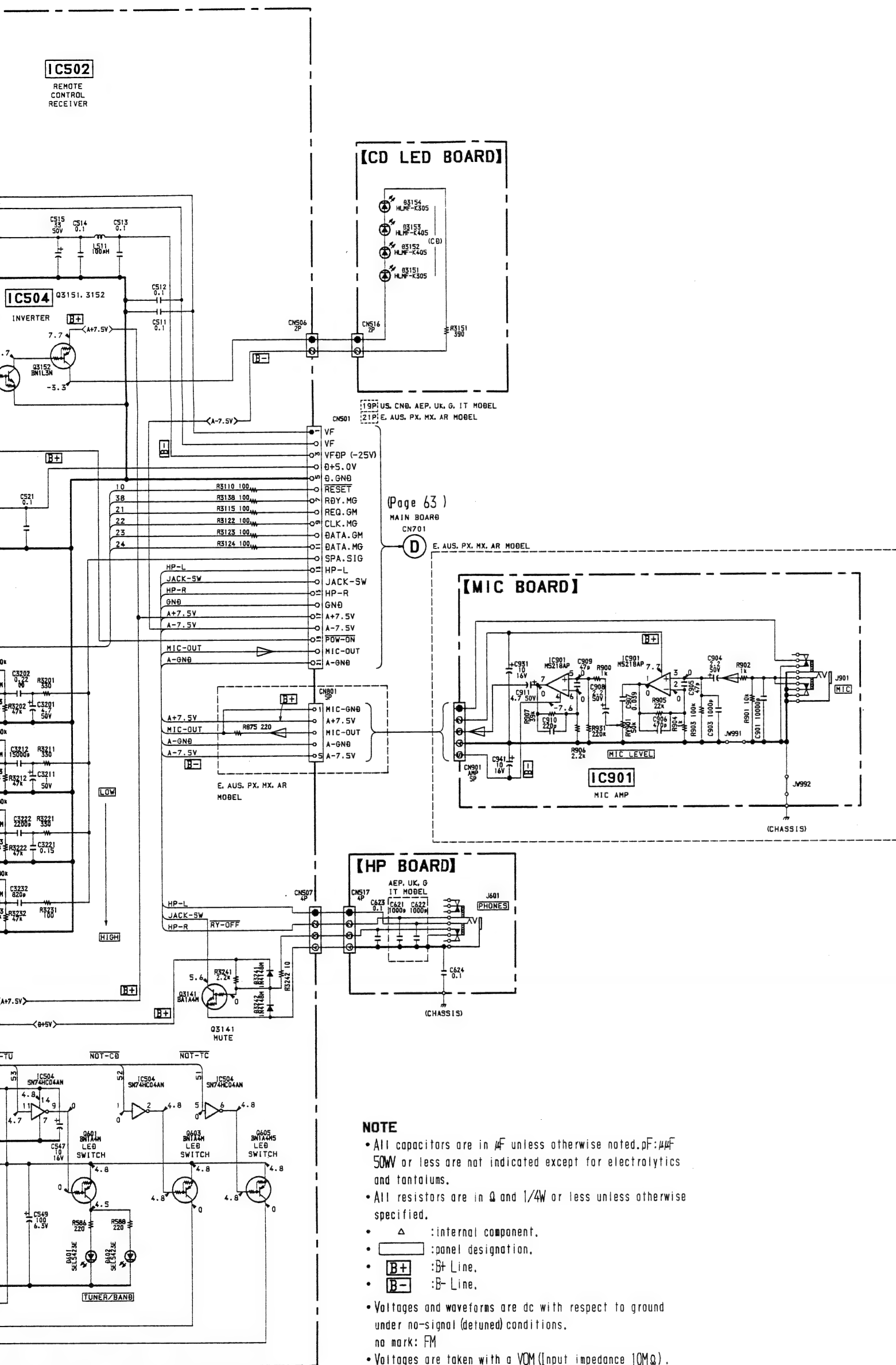
- H^+ : B+ Line.
- H^- : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
no mark: FM
() : CB PLAY
* : can not be measured.
- Voltages are taken with a VOM (Input impedance $10\text{M}\Omega$). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with an oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Abbreviation
G : German model.
IT : Italian model.
MX : Mexican model.
AUS : Australian model.
AR : Argentine model.
- Signal path.
 \rightarrow : FM
 \Rightarrow : VIDEO WOOFER
 \Rightarrow : SUPER WOOFER
 \Rightarrow : PB
 \Rightarrow : REC
 \Rightarrow : CB
 \Rightarrow : PHONO
 \Rightarrow : MIC

(G)
POWER AMP
BOARD
CN1201
(Page 77)

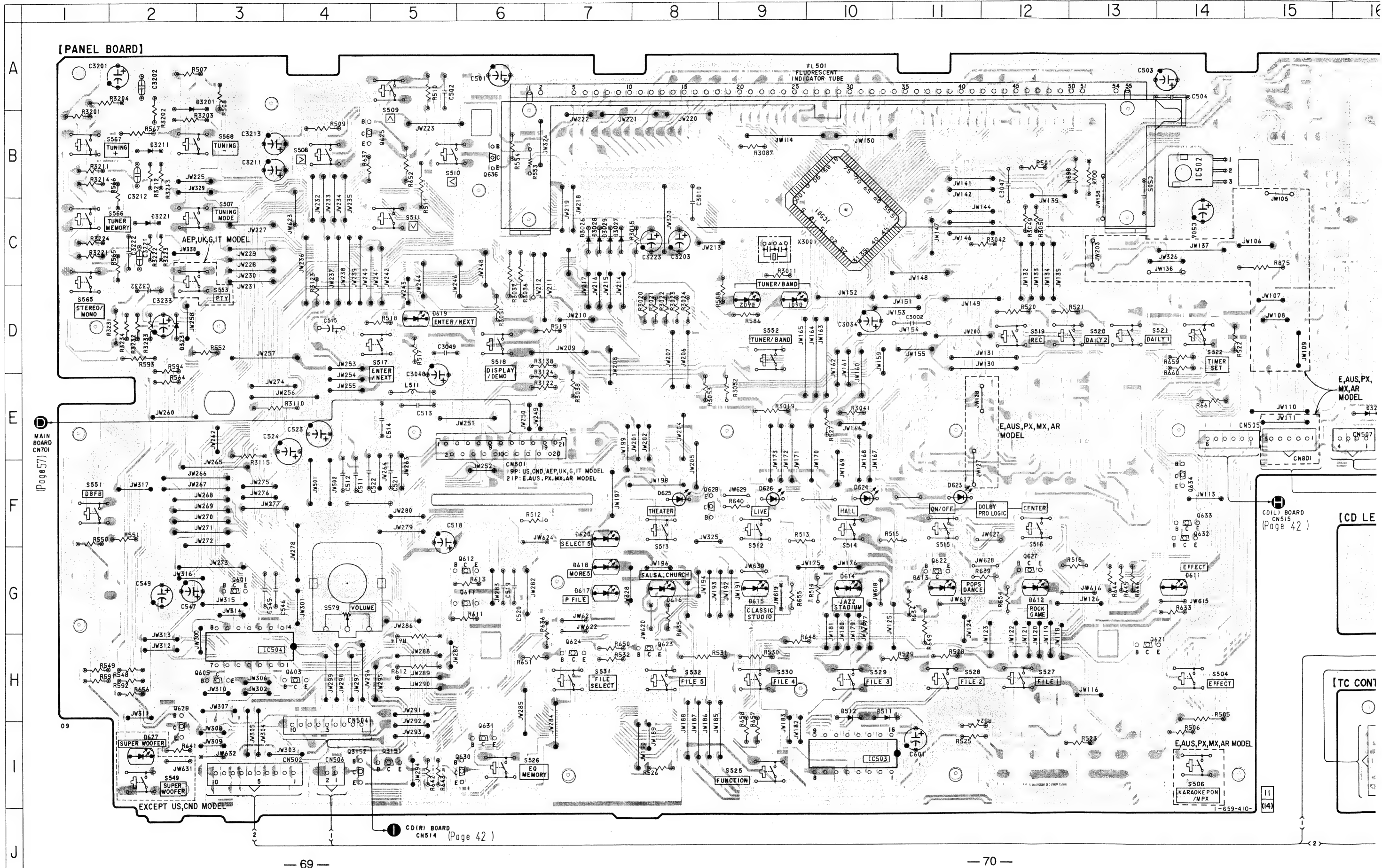


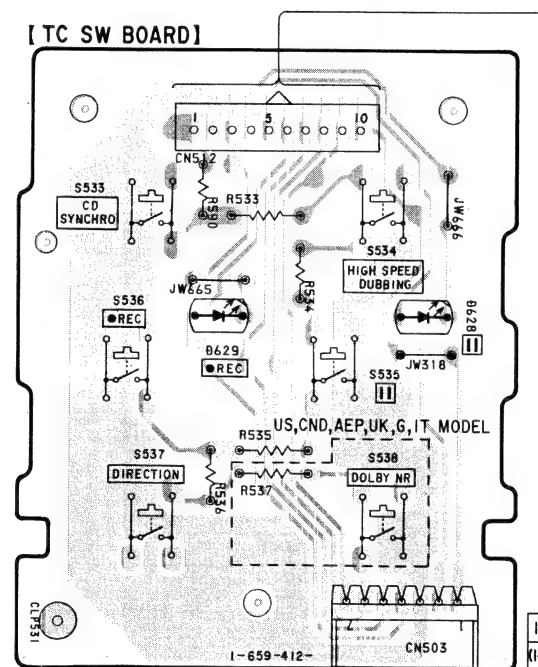
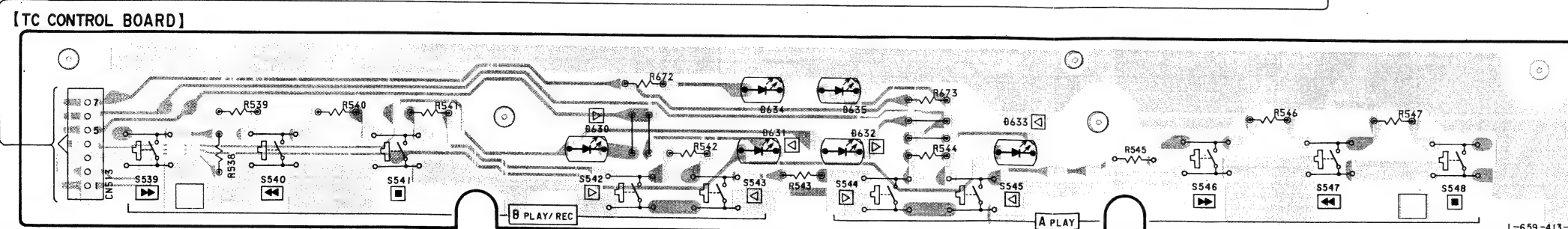
[PANEL BOARD]







5-17. PRINTED WIRING BOARD — PANEL SECTION —
• See page 17 for Circuit Boards Location.





-  : parts extracted from the component side.
- Δ : Internal component.
-  : Pattern from the side which enable seeing.
- Abbreviatin
 - CND : Canadian model.
 - G : German model.
 - IT : Italian model.
 - MX : Mexican model
 - AUS : Australian model.
 - AR : Argentine model.

Ref. No.	Location
D511	H-10
D512	H-10
D601	D-9
D602	D-9
D611	G-14
D612	G-12
D613	G-11
D614	G-10
D615	G-9
D616	G-8
D617	G-7
D618	G-7
D619	D-5
D620	F-7
D623	F-11
D624	F-10
D625	F-9
D626	F-8
D627	I-2
D628	F-25
D629	F-24
D630	I-20
D631	I-21
D632	I-22
D633	I-23
D634	I-21
D635	I-22
D3026	C-7
D3027	C-7
D3028	C-7
D3029	C-7
D3151	G-21
D3152	G-20
D3153	G-19
D3154	G-18
D3201	A-3
D3211	B-2
D3221	C-2
D3231	D-2
D3241	E-16
D3242	E-16
IC501	C-10
IC502	B-14
IC503	I-10
IC504	H-3
IC901	B-23
Q601	G-3
Q603	H-4
Q605	H-3
Q611	G-6
Q612	G-6
Q621	H-14
Q622	G-11
Q623	H-8
Q624	H-7
Q625	B-5
Q627	F-12
Q628	F-8
Q629	H-2
Q630	I-6
Q631	I-6
Q632	F-14
Q633	F-14
Q634	F-14
Q636	B-6
Q3141	E-16
Q3151	I-5
Q3152	I-4

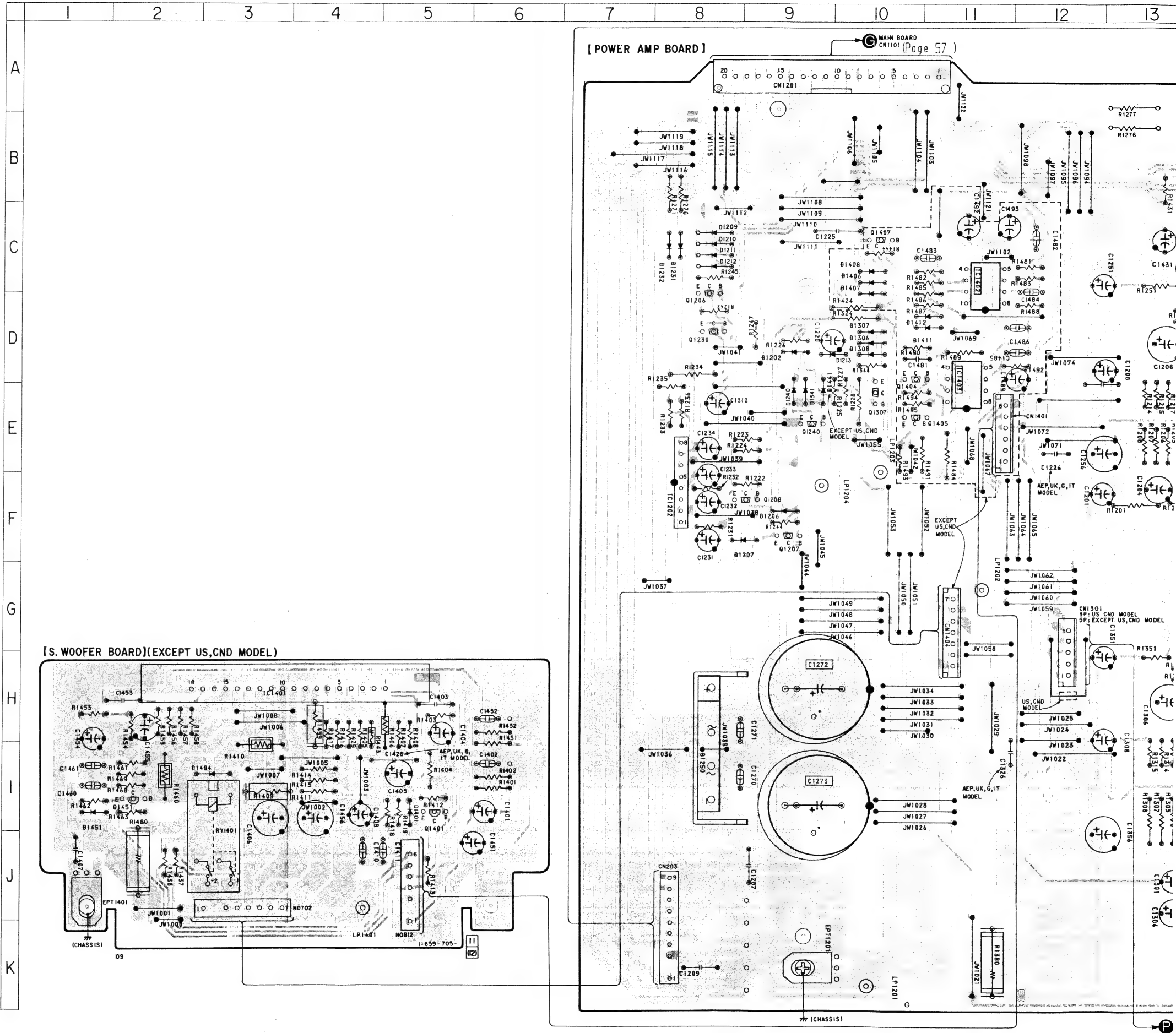
5-18. PRINTED WIRING BOARD — POWER SECTION —
• See page 17 for Circuit Boards Location.

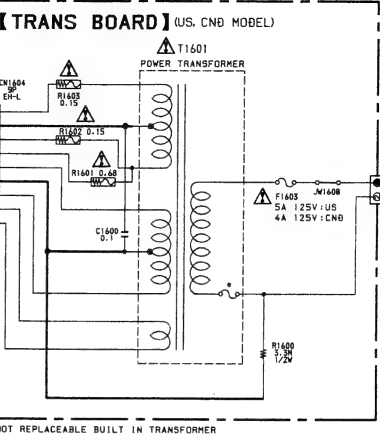
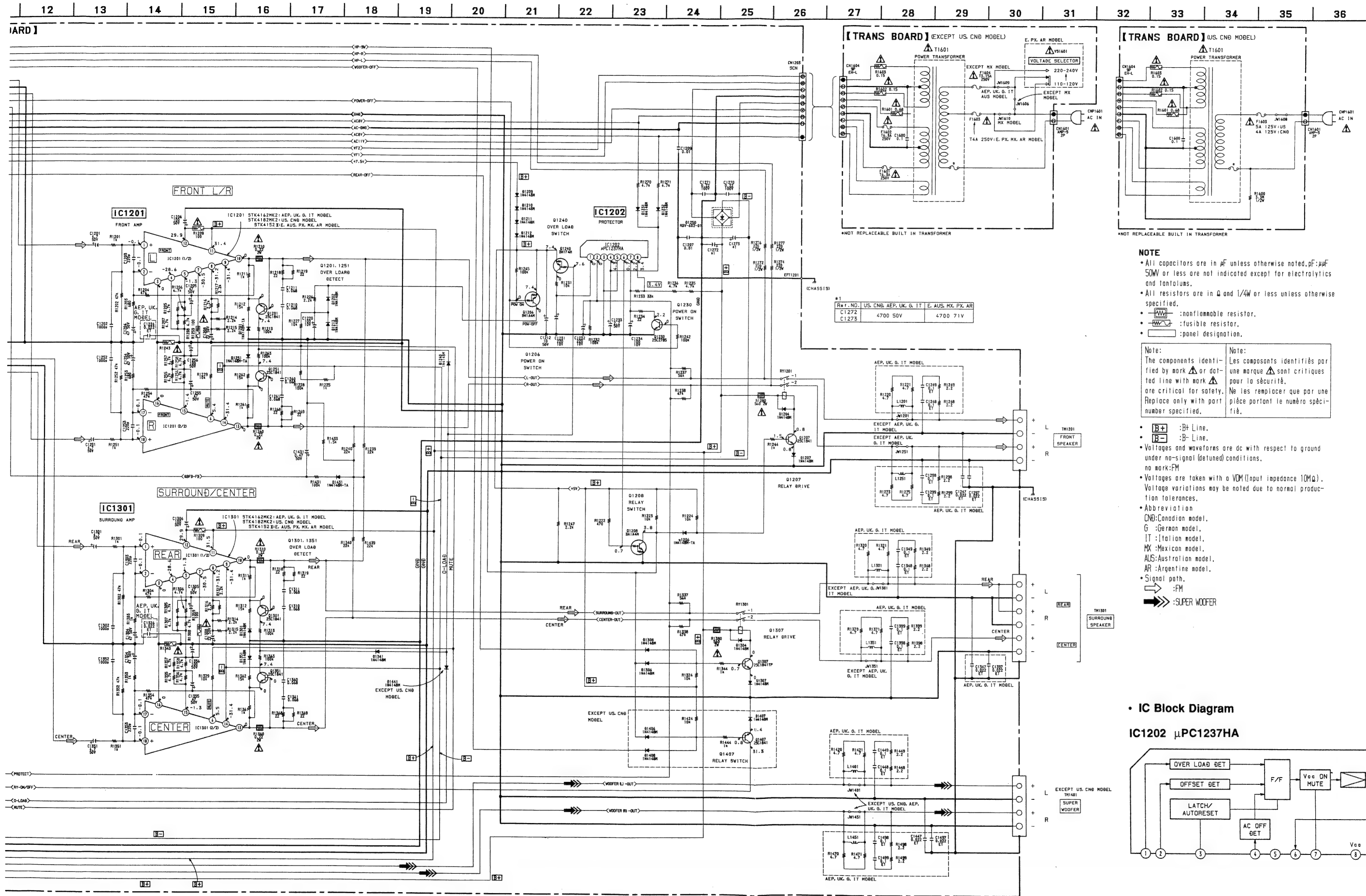
• Semiconductor Location

Ref. No.	Location
D1201	E-16
D1202	D-9
D1204	B-16
D1206	F-9
D1207	F-9
D1209	C-8
D1210	C-8
D1211	C-8
D1212	C-8
D1213	D-10
D1231	C-8
D1232	C-8
D1240	E-9
D1241	E-9
D1250	I-8
D1251	C-16
D1301	J-16
D1304	K-16
D1306	D-10
D1307	D-10
D1308	D-10
D1341	E-9
D1351	H-16
D1401	I-5
D1404	I-3
D1406	C-10
D1407	C-10
D1408	C-10
D1411	D-11
D1412	D-11
D1431	B-16
D1441	E-9
D1451	I-1
IC1201	C-14
IC1202	F-8
IC1301	I-15
IC1401	H-3
IC1402	C-11
IC1403	D-11
Q1201	F-16
Q1206	D-8
Q1207	F-9
Q1208	F-9
Q1230	D-8
Q1240	E-9
Q1251	C-17
Q1301	I-16
Q1307	E-10
Q1351	H-16
Q1401	I-5
Q1404	E-10
Q1405	E-11
Q1407	C-10
Q1451	I-2

Note:

- : parts extracted from the component side.
- : Pattern from the side which enable seeing.
- Abbreviatin
 - CND : Canadian model.
 - G : German model.
 - IT : Italian model.
 - MX : Mexican model
 - AUS : Australian model.
 - AR : Argentine model.





NOTE

- All capacitors are in μF unless otherwise noted, pF : μF 50W or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4W$ or less unless otherwise specified.
- \square : nonflammable resistor.
- \square : fusible resistor.
- \square : panel designation.

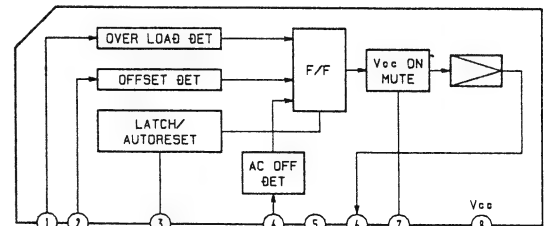
Note:
 The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Note:
 Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

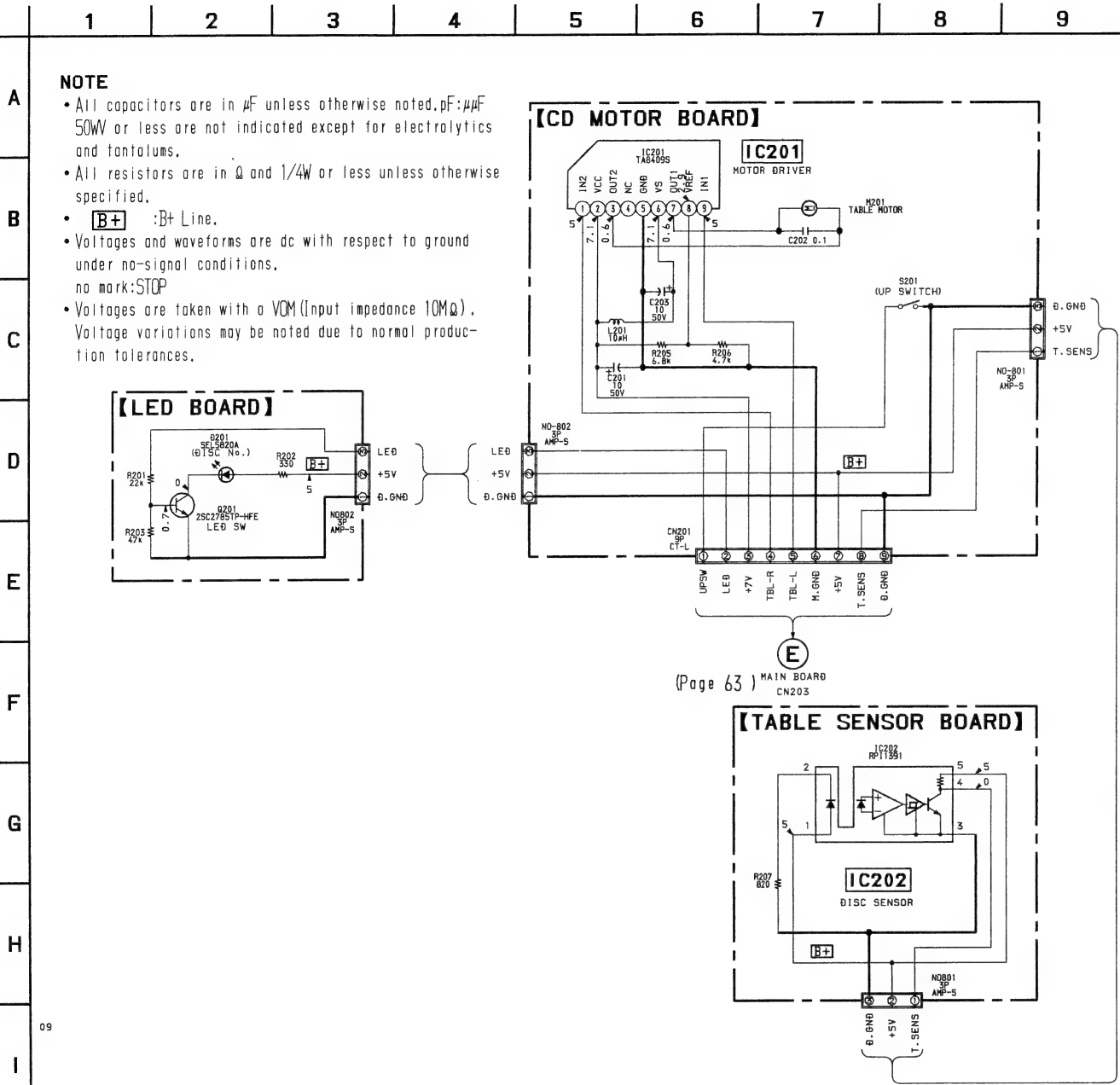
- \square : B+ Line.
- \square : B- Line.
- Voltagages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- no mark: FM
- Voltagages are taken with a VOM (input impedance $10M\Omega$). Voltage variations may be noted due to normal production tolerances.
- Abbreviation
 CNB: Canadian model.
 G: German model.
 IT: Italian model.
 MX: Mexican model.
 AUS: Australian model.
 AR: Argentine model.
- Signal path.
 \Rightarrow : FM
 \Rightarrow : SUPER WOOFER

IC Block Diagram

IC1202 $\mu PC1237HA$

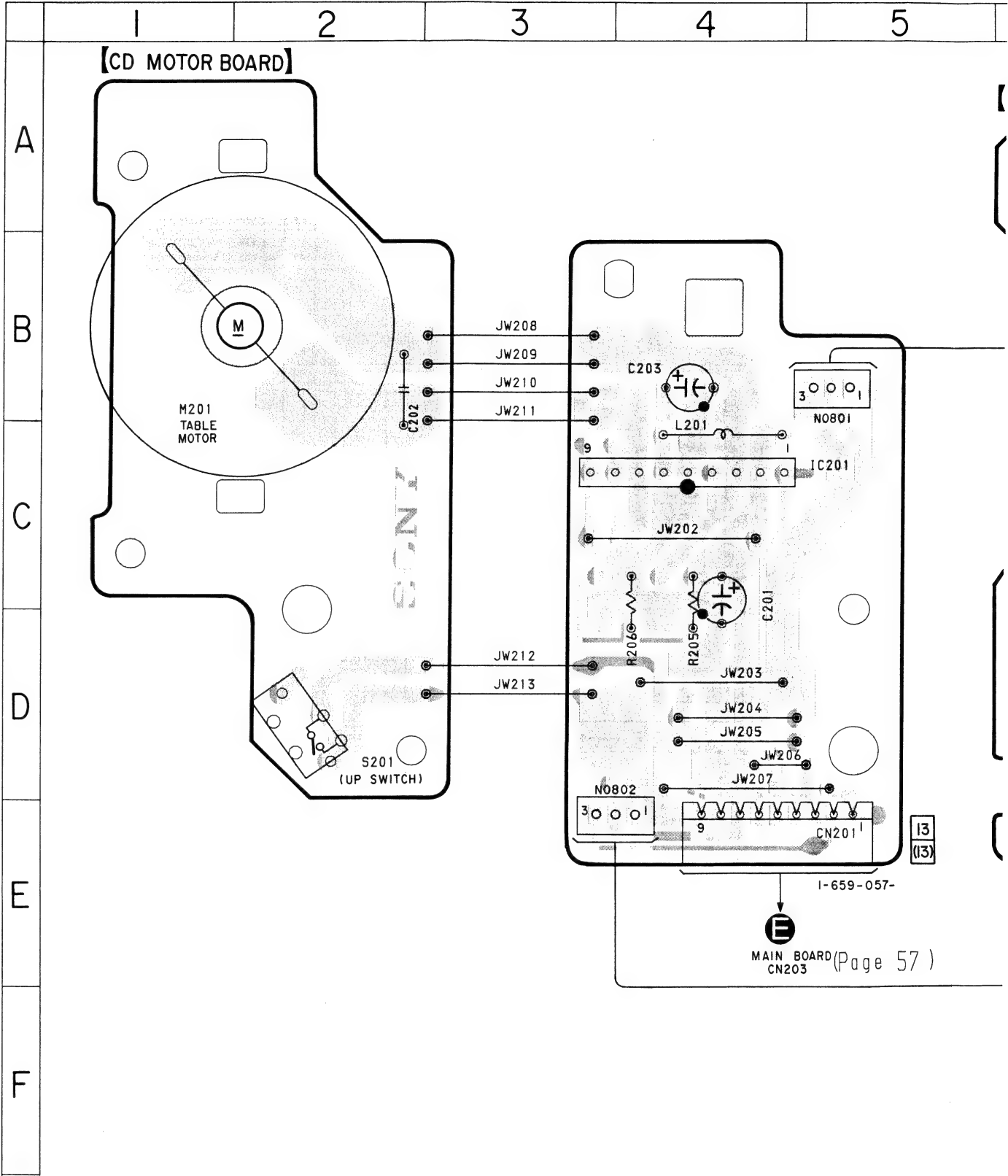


5-20. SCHEMATIC DIAGRAM — CD MOTOR SECTION —

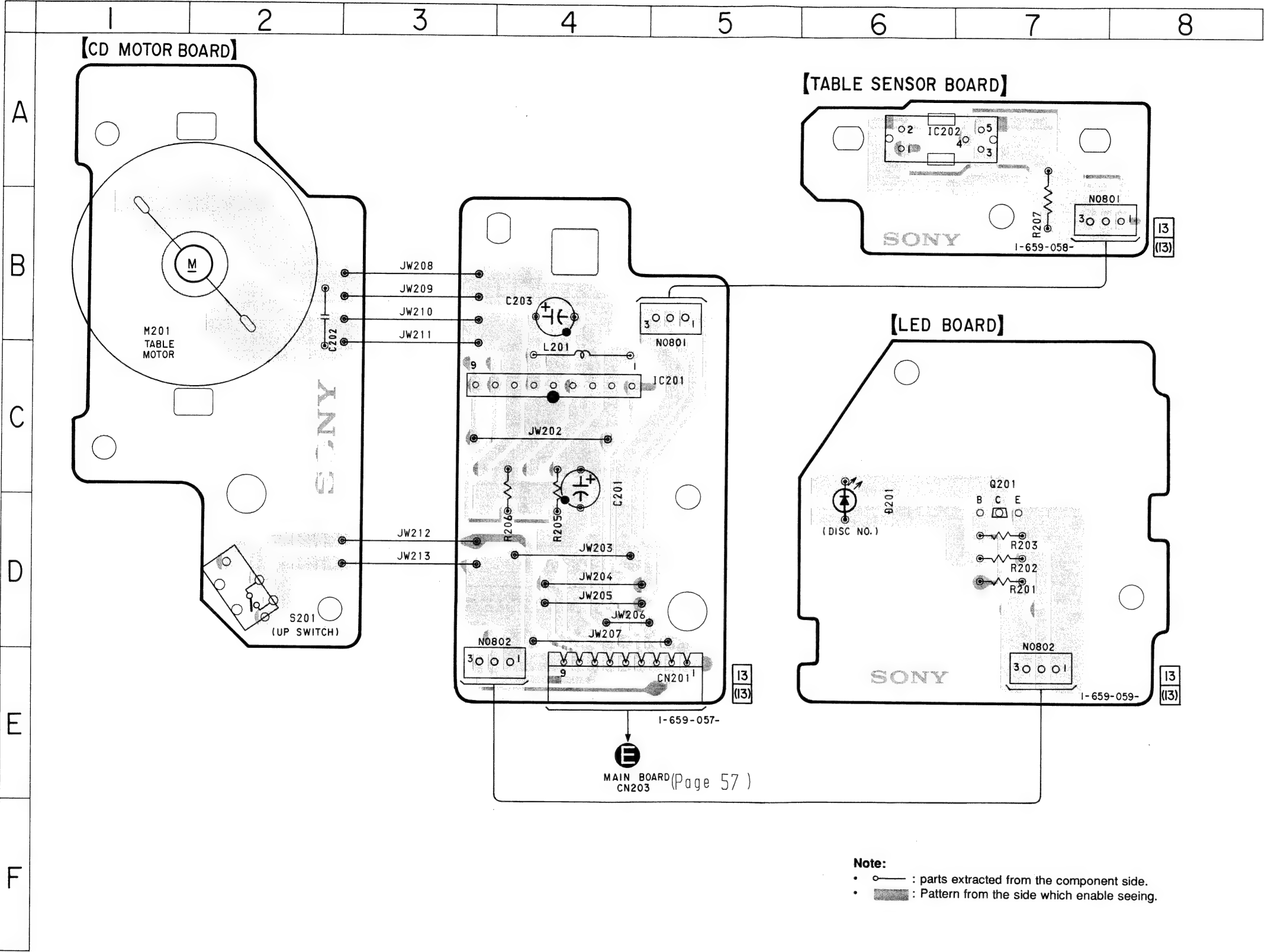


5-21. PRINTED WIRING BOARD — CD MOTOR SECTION —

• See page 17 for Circuit Boards Location.

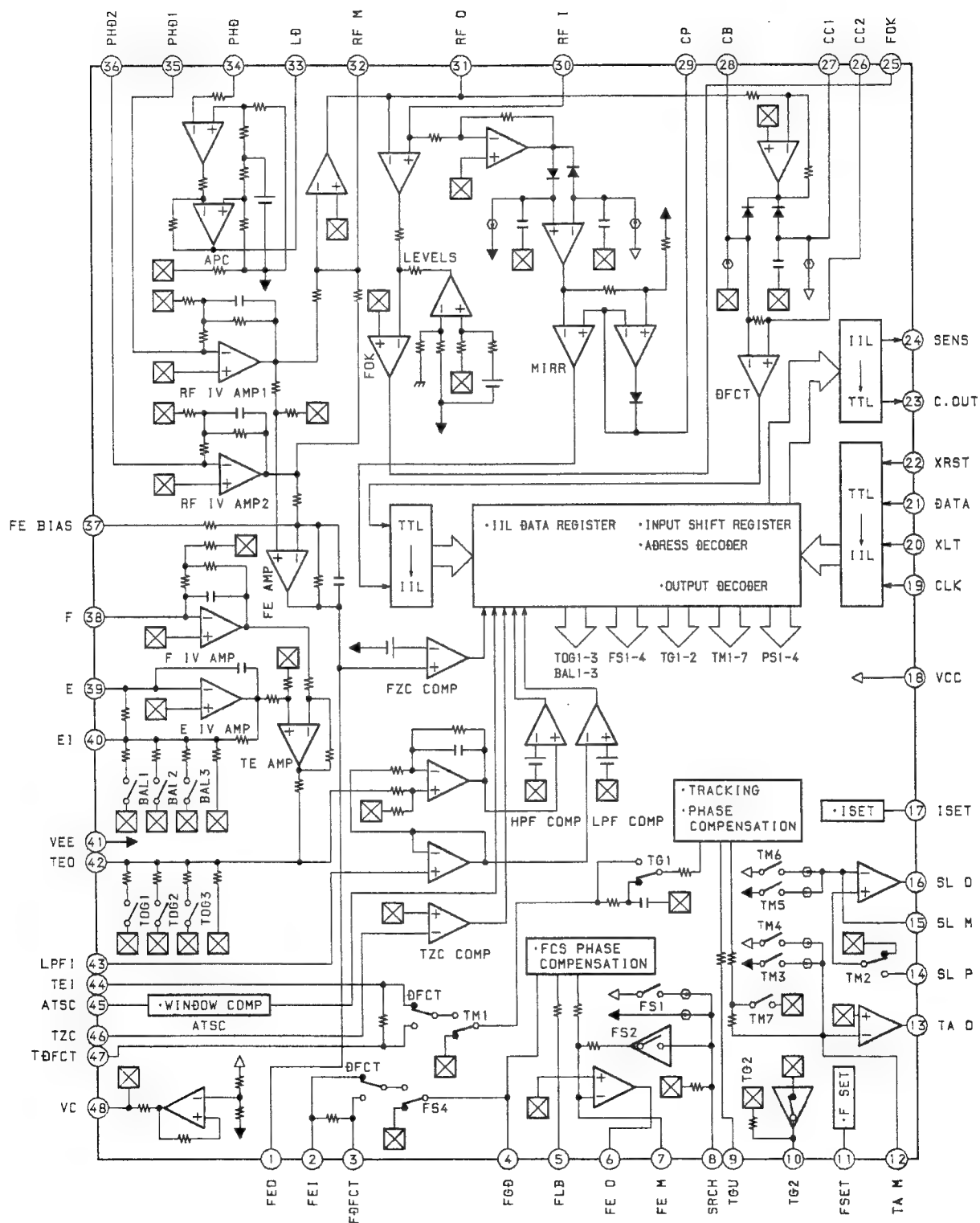


5-21. PRINTED WIRING BOARD — CD MOTOR SECTION —
 • See page 17 for Circuit Boards Location.

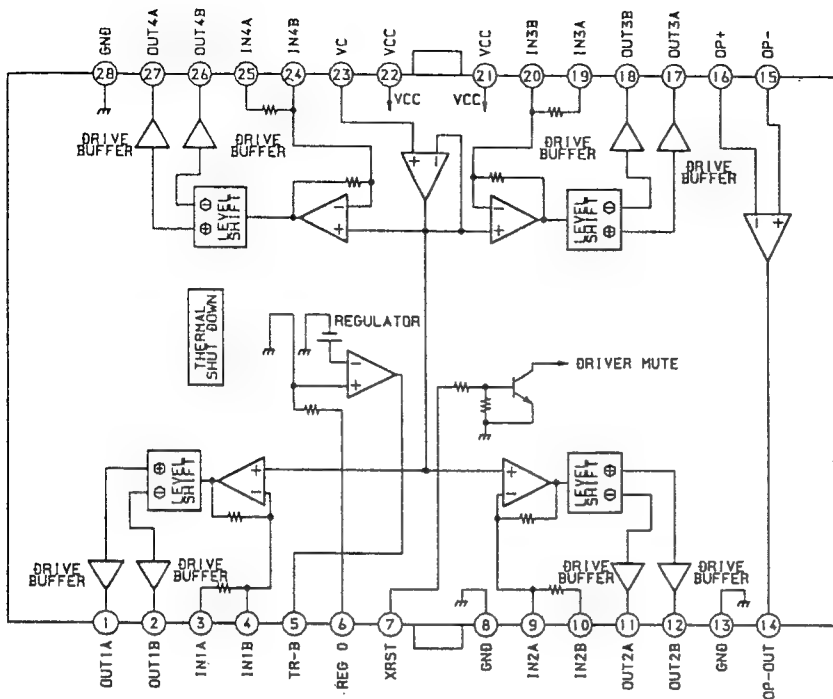


5-22. IC BLOCK DIAGRAMS — CD SECTION —

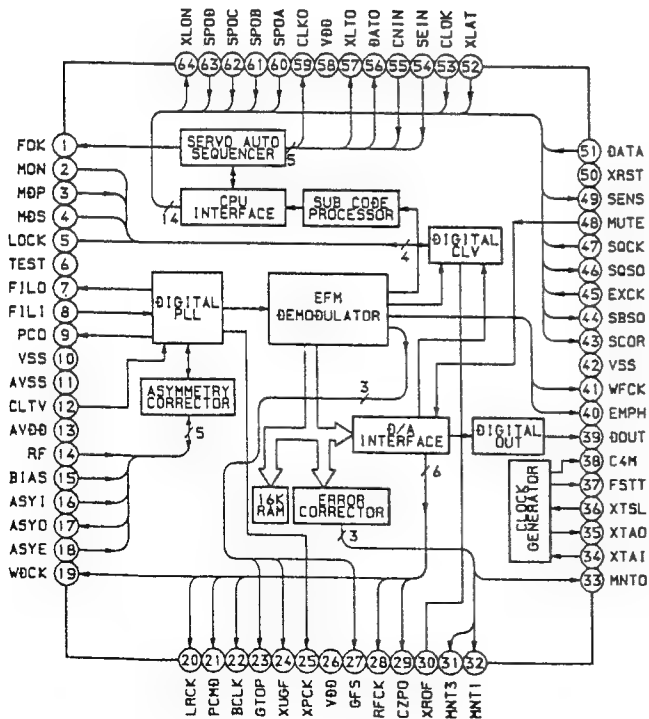
IC101 CXA1782BQ



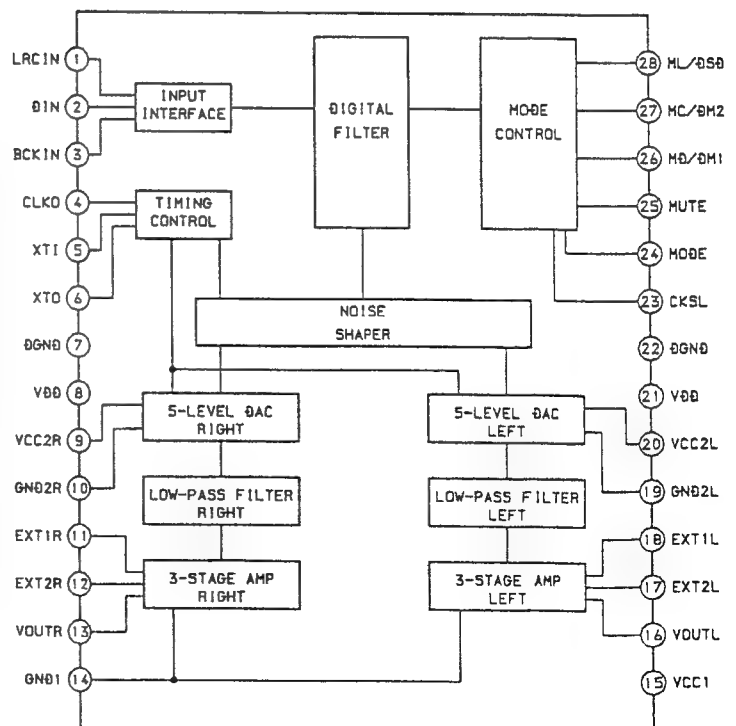
IC102 BA6397FP



IC103 CXD2507AQ



IC104 PCM1710U



SECTION 6 EXPLODED VIEWS

NOTE:

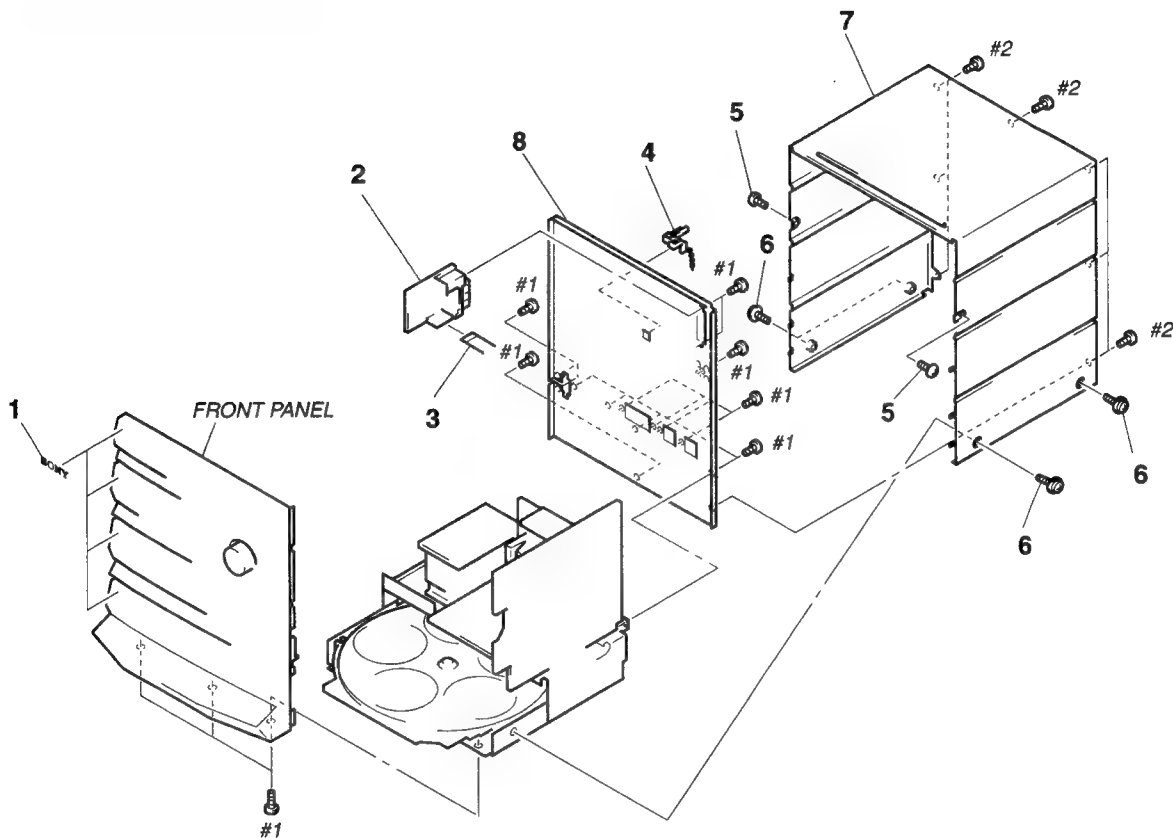
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.

- Abbreviation
CND : Canadian model
G : German model
IT : Italian model
MX : Mexican model
AUS : Australian model
AR : Argentine model

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

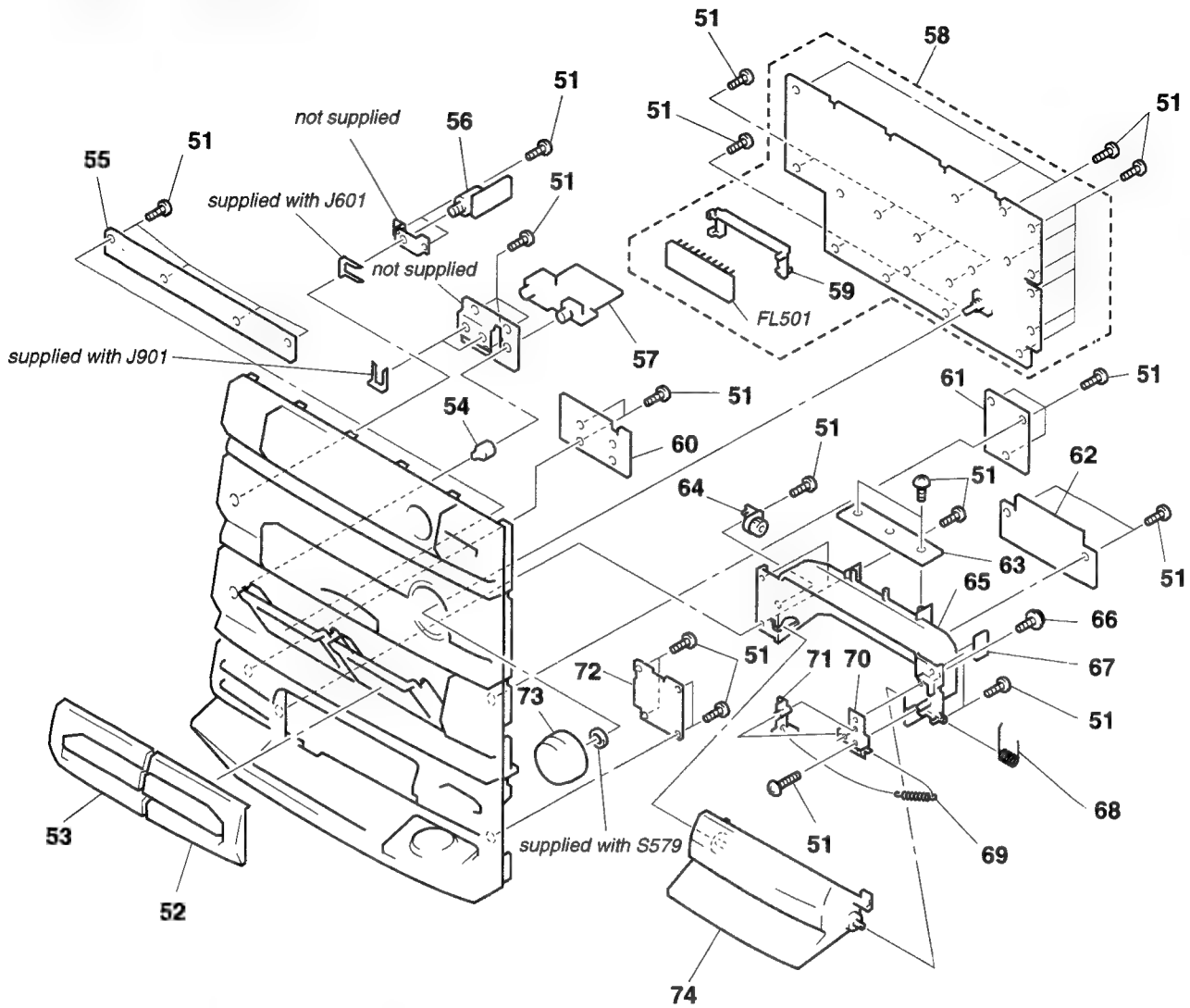
Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

6-1. CABINET AND BALCK PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	4-963-404-21	EMBLEM (5-A), SONY		6	4-929-973-01	SCREW (CASE, 3 POINT)	
* 2	A-4303-502-A	TCB BOARD, COMPLETE (Except Malaysia product) (N555AV:AEP,UK)		* 7	4-978-177-71	CASE	
* 2	A-4303-503-A	TCB BOARD, COMPLETE (N555AV:IT,G)		* 8	4-978-193-01	PANEL, BACK (D670AV:US)	
* 2	A-4303-510-A	TCB BOARD, COMPLETE(D670AV)		* 8	4-978-193-11	PANEL, BACK (D670AV:CND)	
* 2	A-4303-513-A	TCB BOARD, COMPLETE (N555AV:E,AUS,AR,MX,PX)		* 8	4-978-193-21	PANEL, BACK (N555AV:AEP)	
* 2	A-4303-514-A	TCB BOARD, COMPLETE(Malaysia product) (N555AV:AEP)		* 8	4-978-193-31	PANEL, BACK (N555AV:G)	
3	1-751-688-11	WIRE (FLAT TYPE)(13 CORE) (D670AV/N555AV:E,G,IT,AUS,PX,MX,AR)		* 8	4-978-193-41	PANEL, BACK (N555AV:IT)	
3	1-773-011-11	WIRE (FLAT TYPE)(15 CORE)(N555AV:AEP,UK)		* 8	4-978-193-51	PANEL, BACK (N555AV:UK)	
4	4-956-370-12	BAND, PLUG FIXED (N555AV:UK,AUS)		* 8	4-978-194-01	PANEL, BACK (N555AV:E)	
5	3-363-099-01	SCREW (CASE 3 TP2)		* 8	4-978-194-11	PANEL, BACK (N555AV:AR)	
				* 8	4-978-194-21	PANEL, BACK (N555AV:AUS)	
				* 8	4-978-194-31	PANEL, BACK (N555AV:PX)	
				* 8	4-978-194-41	PANEL, BACK (N555AV:MX)	

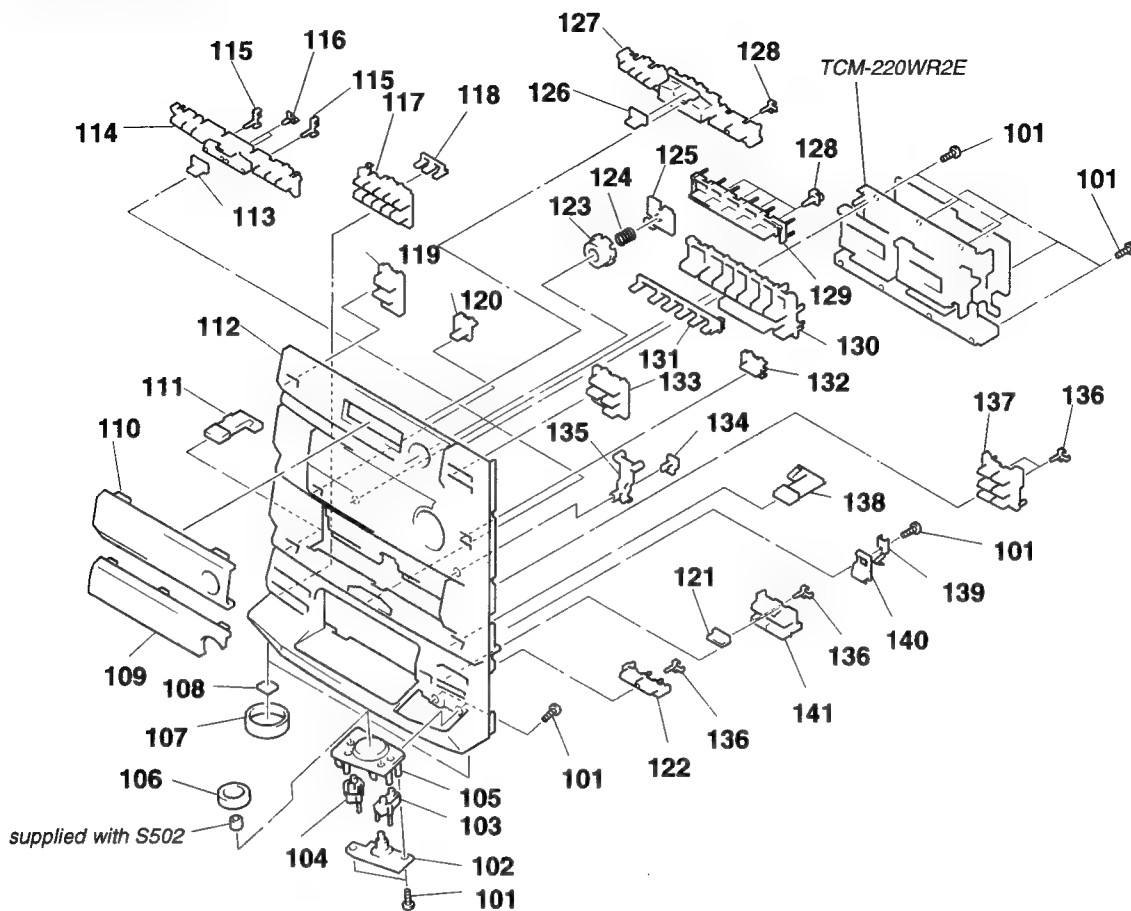
6-2. PANEL BOARD SECTION



Ref. No.	Part No.	Description	Remark
51	4-951-620-01	SCREW (2.6X8), +BVTP	
52	X-4946-636-1	LID (B) ASSY, CASSETTE	
53	X-4946-635-1	LID (A) ASSY, CASSETTE	
54	4-973-644-01	KNOB (MIC)(N555AV:E,AUS,PX,MX,AR)	
* 55	1-659-413-11	TC CONTROL BOARD	
* 56	1-659-411-11	HP BOARD	
* 57	1-659-414-11	MIC BOARD (N555AV:E,AUS,PX,MX,AR)	
* 58	A-4389-610-A	PANEL BOARD, COMPLETE (D670AV)	
* 58	A-4389-619-A	PANEL BOARD, COMPLETE (N555AV:E,AUS,PX,MX,AR)	
* 58	A-4389-629-A	PANEL BOARD, COMPLETE (N555AV:AEP,UK,G,IT)	
59	4-971-014-11	HOLDER, FL TUBE	
* 60	1-659-404-11	CD (L) BOARD	
* 61	1-659-412-11	TC SW BOARD	
62	4-980-060-01	INDICATOR (COVER)	

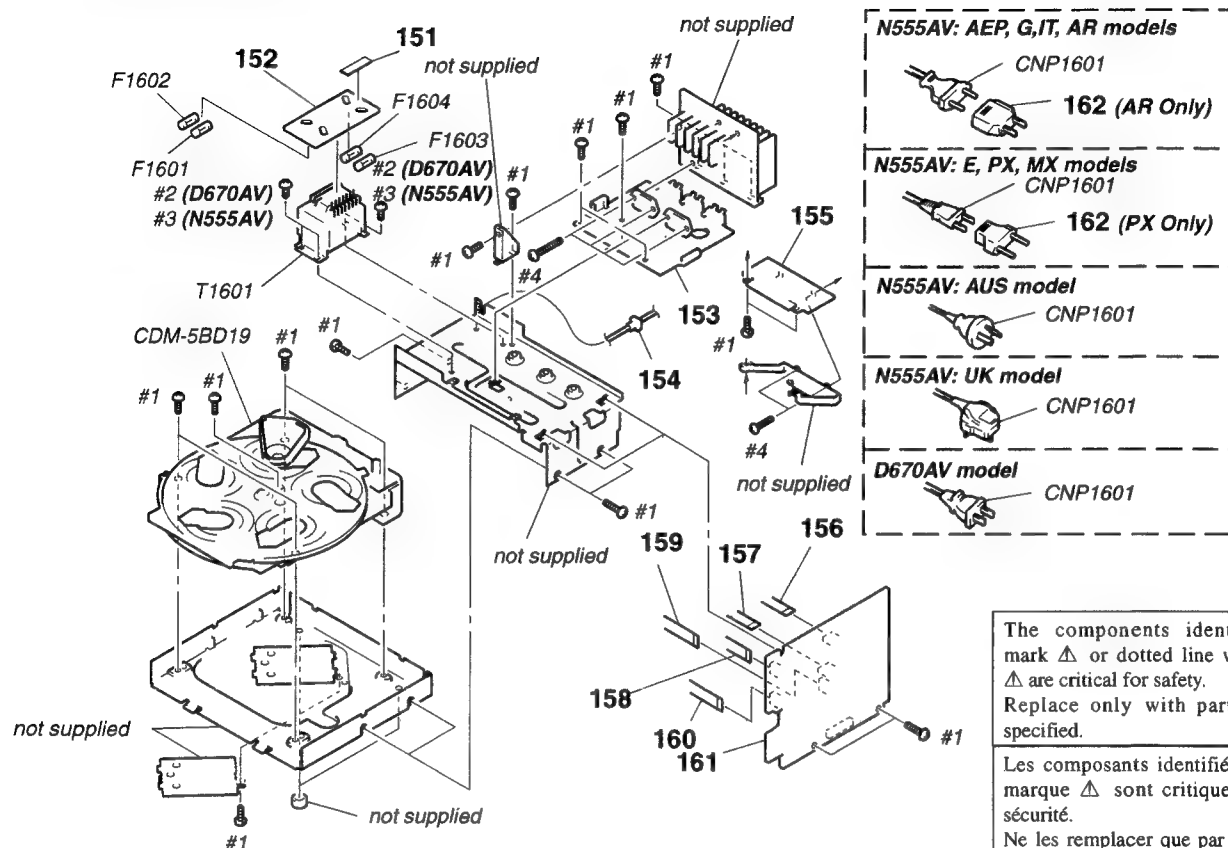
Ref. No.	Part No.	Description	Remark
* 63	1-659-406-11	CD LED BOARD	
64	3-354-963-21	DAMPER	
65	4-978-140-11	COVER (CD)	
66	4-957-577-01	SCREW PTP WH (2.6X8)(DIA. 10)	
* 67	1-659-408-11	DOOR SW BOARD	
68	4-978-171-01	SPRING, TORSION	
69	4-978-170-01	SPRING, TENSION	
* 70	4-978-169-01	BRACKET (OPEN)	
71	4-978-141-01	LEVER, LOCK	
* 72	1-659-409-11	CD (R) BOARD	
73	4-978-142-01	KNOB (V)	
74	4-978-139-01	LID, DISC	
FL501	1-517-490-21	INDICATOR TUBE, FLUORESCENT	

6-3. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	4-951-620-01	SCREW (2.6X8), +BVTP		122	4-978-152-01	BUTTON (AUTO)	
* 102	1-659-405-11	CD JOG BOARD		123	4-978-119-01	BUTTON (CURSOR)	
103	4-978-153-01	BUTTON (PROGRAM)		124	4-978-683-01	SPRING, COMPRESSION	
104	4-978-712-01	BUTTON (SHUFFLE)		125	4-978-682-01	COVER (CURSOR)	
105	4-978-155-01	PLATE, ORNAMENTAL		126	4-978-135-01	INDICATOR (BAND)	
106	4-978-154-01	KNOB (DISC)		127	4-978-121-11	BUTTON (BAND)	
107	4-921-918-11	PLATE, ORNAMENTAL		128	4-978-136-01	INDICATOR (ENTER)	
108	4-948-236-01	CUSHION (107)		129	4-978-167-01	BUTTON (PRO LOGIC)	
109	4-978-680-01	DISPLAY (TA)(D670AV)		130	4-978-123-01	BUTTON (FU)	
109	4-978-680-11	DISPLAY (TA)(N555AV)		131	4-978-681-01	INDICATOR (SE5)	
110	4-978-131-01	DISPLAY (ST)		132	4-978-124-11	BUTTON (DOLBY)	
110	4-978-131-11	DISPLAY (ST)(N555AV:AEP,UK,G,IT)		133	4-978-120-01	BUTTON (TUNING)	
111	4-978-146-01	BUTTON (EJECT-L)		133	4-978-120-11	BUTTON (TUNING)(N555AV:AEP,UK,G,IT)	
112	4-978-116-01	PANEL, FRONT (D670AV)		134	4-979-017-01	INDICATOR (SW)(N555AV)	
112	4-978-116-11	PANEL, FRONT (N555AV:AEP,UK,G,IT)		135	4-978-166-01	BUTTON (SUPER-W)(N555AV)	
112	4-978-116-21	PANEL, FRONT (N555AV:E,AUS,PX,MX,AR)		136	4-978-161-01	INDICATOR (PAUSE)	
113	4-978-157-01	INDICATOR (TC)		137	4-978-144-01	BUTTON (DUBBING)	
114	4-978-145-01	BUTTON (TC)		137	4-978-144-11	BUTTON (DUBBING)(N555AV:E,AUS,PX,MX,AR)	
115	4-978-159-01	INDICATOR (REV)		138	4-978-147-01	BUTTON (EJECT-R)	
116	4-978-158-01	INDICATOR (FWD)		139	4-980-061-01	SPRING (OPEN)	
117	4-978-127-11	BUTTON (DISC 5)		140	4-978-130-01	BUTTON (OPEN)	
118	4-978-160-01	INDICATOR (CLIP)		141	4-978-128-01	BUTTON (PLAY)	
119	4-978-118-01	BUTTON (POWER)					
120	4-978-151-01	BUTTON (PON)(N555AV:E,AUS,PX,MX,AR)					
121	4-978-137-01	INDICATOR (PLAY)					

6-4. CHASSIS SECTION

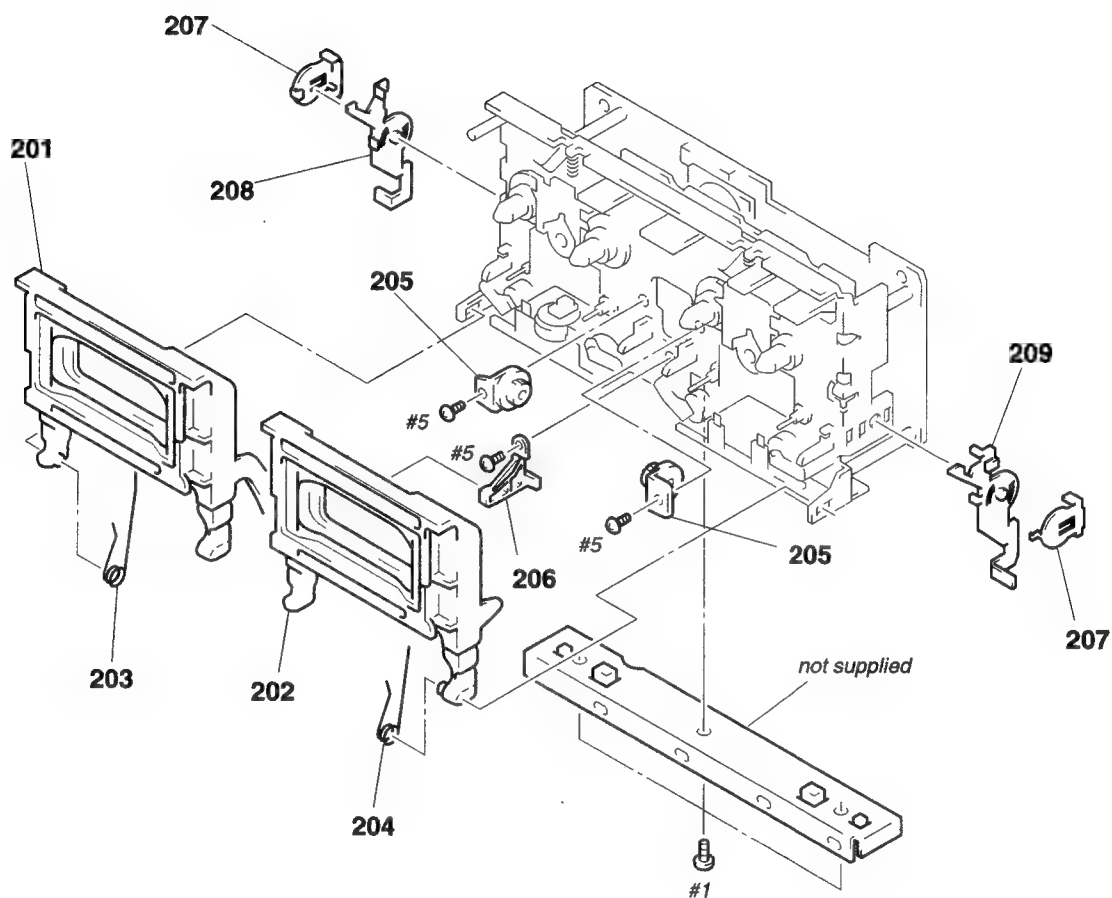


The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une
marque Δ sont critiques pour la
sécurité.
Ne les remplacer que par une pièce
portant le numéro spécifié.

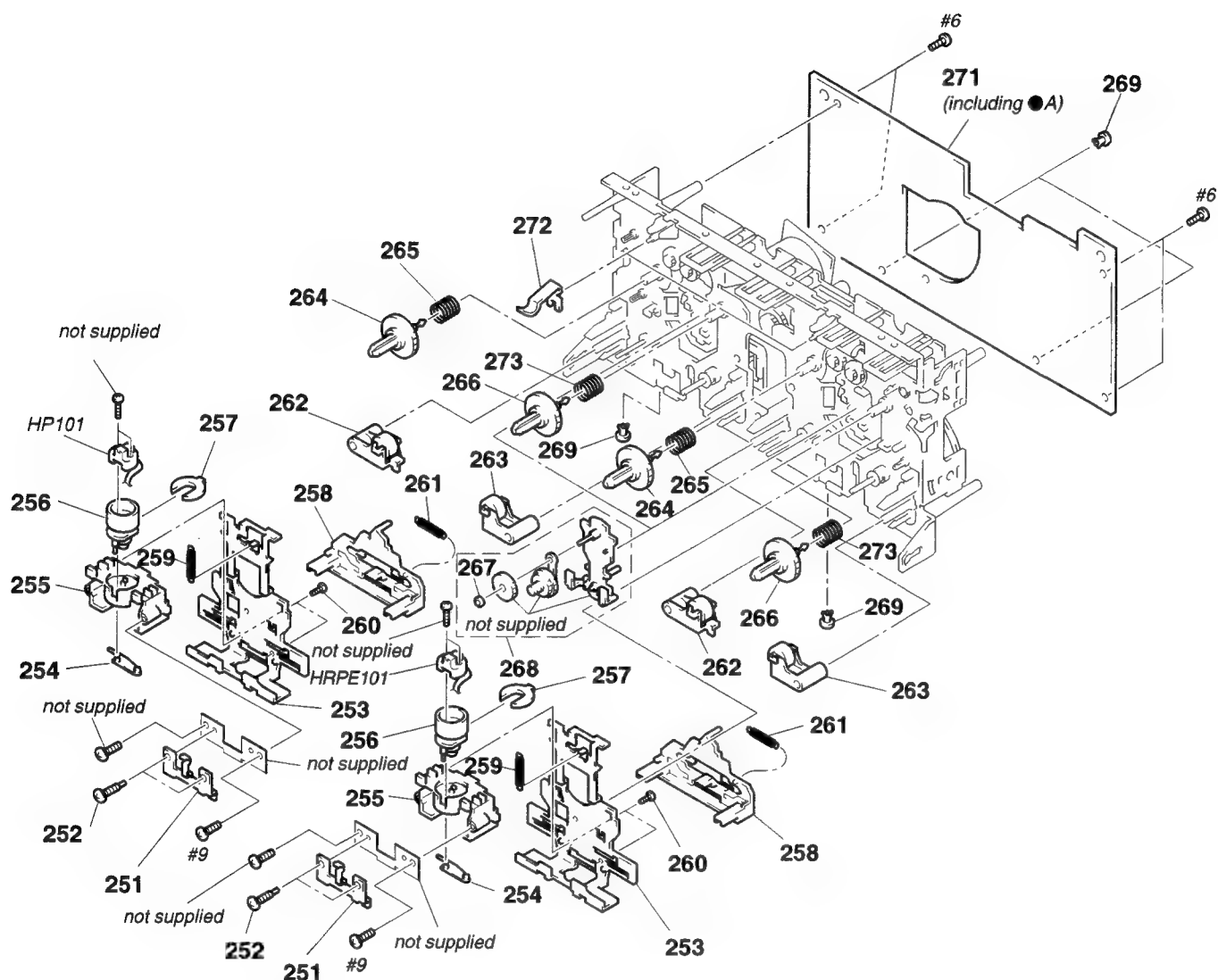
<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
* 151	3-701-946-26	LABEL, FUSE RATING (D670AV)		* 161	A-4389-602-A	MAIN BOARD, COMPLETE (D670AV)	
151	3-701-946-27	LABEL, FUSE RATING (D670AV)		* 161	A-4389-615-A	MAIN BOARD, COMPLETE (N555AV:E,MX,AR)	
* 152	1-659-218-11	TRANS BOARD (D670AV)					
* 152	1-660-805-11	TRANS BOARD (D555AV)		* 161	A-4389-622-A	MAIN BOARD, COMPLETE (N555AV:AEP,UK)	
* 153	A-4389-604-A	POWER AMP BOARD, COMPLETE (D670AV)		* 161	A-4389-894-A	MAIN BOARD, COMPLETE (N555AV:AUS,PX)	
				* 161	A-4390-010-A	MAIN BOARD, COMPLETE (N555AV:G,IT)	
* 153	A-4389-617-A	POWER AMP BOARD, COMPLETE (N555AV:E,AUS,PX,MX,AR)		162	1-569-007-11	ADAPTER, CONVERSION 2P (N555AV:PX)	
* 153	A-4389-625-A	POWER AMP BOARD, COMPLETE (N555AV:AEP,UK,G,IT)		162	1-569-008-11	ADAPTER, CONVERSION 2P (N555AV:AR)	
* 154	3-703-244-00	BUSHING (2104), CORD (D670AV/N555AV:AEP,UK,G,IT,AUS,AR)		△CNP1601	1-558-943-51	CORD, POWER (N555AV:E,PX,MX)	
154	4-966-266-01	BUSHING (S)(FBS002), CORD (N555AV:E,PX,MX)		△CNP1601	1-575-042-21	CORD, POWER (D670AV)	
				△CNP1601	1-575-651-21	CORD, POWER (N555AV:AEP,G,IT,AR)	
* 155	A-4389-608-A	S.WOOFER BOARD, COMPLETE (N555AV:E,AUS,PX,MX,AR)		△CNP1601	1-696-845-11	CORD, POWER (N555AV:AUS)	
				△CNP1601	1-751-522-11	CORD, POWER (N555AV:UK)	
* 155	A-4389-627-A	S.WOOFER BOARD, COMPLETE (N555AV:AEP,UK,G,IT)		△F1601	1-532-506-31	FUSE, TIME LAG (6.3A 250V) (N555AV)	
156	1-751-688-11	WIRE (FLAT TYPE)(13 CORE) (D670AV/N555AV:E,AUS,PX,MX,AR)		△F1602	1-532-506-31	FUSE, TIME LAG (6.3A 250V) (N555AV)	
156	1-773-011-11	WIRE (FLAT TYPE)(15 CORE)(N555AV:AEP,UK,G,IT)		△F1603	1-532-504-31	FUSE, TIME LAG (4A, 250V)(N555AV:E,PX,MX,AR)	
157	1-777-046-11	WIRE (FLAT TYPE)(19CORE)		△F1603	1-533-420-11	FUSE, GLASS CYLINDRICAL (DIA.5)(5A, 125V) (D670AV:US)	
158	1-765-338-11	WIRE (FLAT TYPE)(21 CORE)		△F1603	1-533-419-11	FUSE, GLASS CYLINDRICAL (DIA.5)(4A, 125V) (D670AV:CND)	
159	1-769-949-11	WIRE (FLAT TYPE)(11 CORE)					
160	1-590-578-11	WIRE (FLAT TYPE)(19 CORE) (D670AV/N555AV:AEP,UK,G,IT)		△F1604	1-532-465-31	FUSE, TIME LAG (3.15A 250V) (N555AV:AEP,UK,G,IT,E,AUS,PX,AR)	
160	1-773-153-11	WIRE (FLAT TYPE)(21 CORE) (N555AV:E,AUS,PX,MX,AR)		△T1601	1-429-338-11	TRANSFORMER, POWER (N555AV:AEP,UK,G,IT)	
				△T1601	1-429-339-11	TRANSFORMER, POWER (D670AV)	
				△T1601	1-429-340-11	TRANSFORMER, POWER (N555AV:E,AUS,PX,MX,AR)	

6-5. TC MECHANISM SECTION 1
(TCM-220WR2E)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	X-4943-776-1	HOLDER (L) ASSY, CASSETTE		* 206	3-908-611-01	FULCRUM, HOLDER	
202	X-4943-775-1	HOLDER (R) ASSY, CASSETTE		207	3-354-957-01	JOINT (LOCK LEVER)	
203	4-959-231-11	SPRING (L), TORSION		* 208	3-354-953-01	LEVER (LOCK LEVER L)	
204	4-959-232-11	SPRING (R), TORSION		* 209	3-354-954-01	LEVER (LOCK LEVER R)	
205	3-354-963-01	DAMPER					

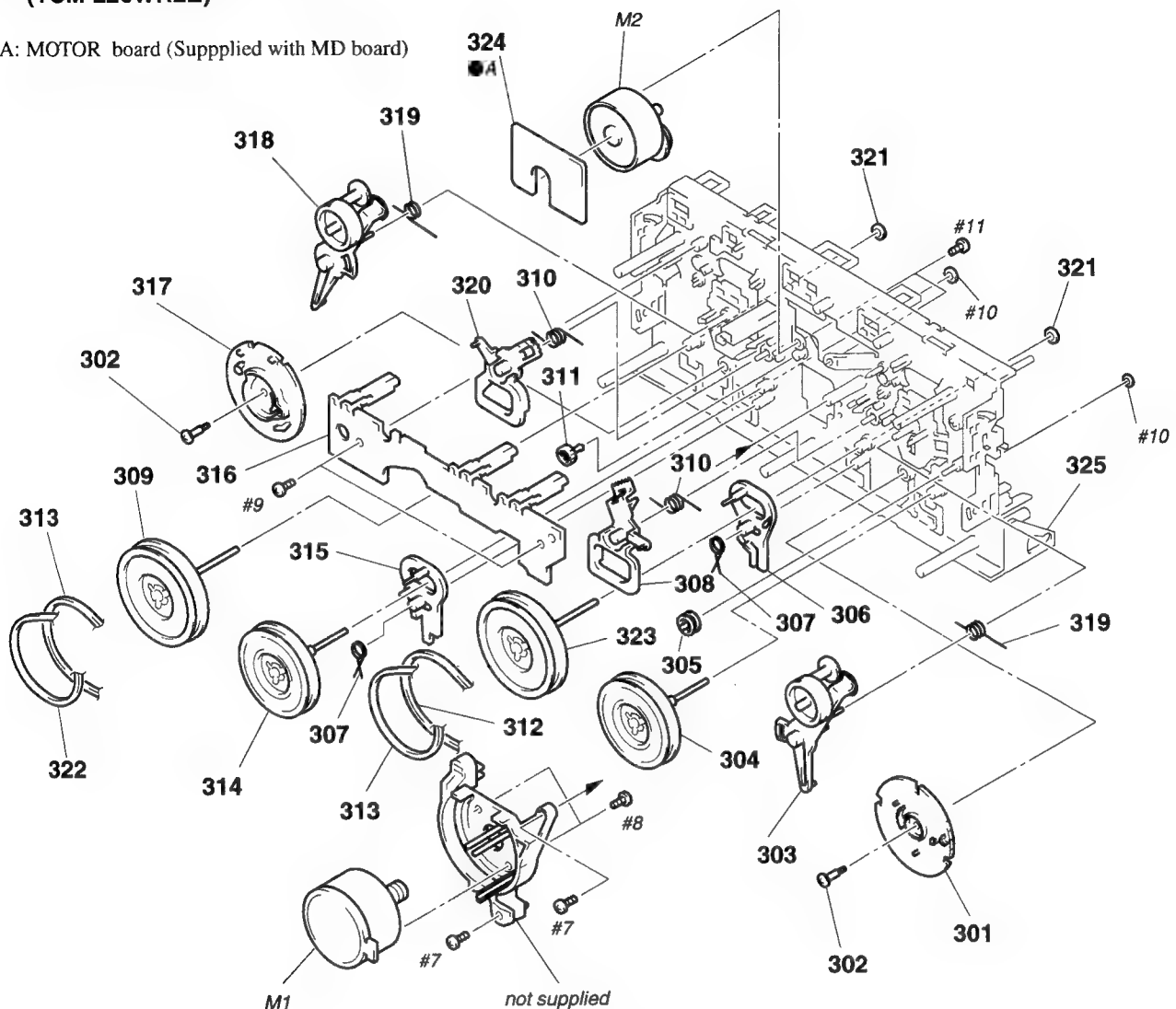
6-6. TC MECHANISM SECTION 2 (TCM-220WR2E)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
251	3-908-560-01	SPRING, AZIMUTH ADJUSTMENT		263	X-3367-588-1	PINCH LEVER (FWD) ASSY	
252	3-919-684-01	SCREW, AZIMUTH ADJUSTMENT		264	3-908-613-01	GEAR (S), REEL	
* 253	X-3367-584-2	SLIDER (HEAD) ASSY		265	3-917-141-01	SPRING, COMPRESSION	
254	3-908-556-01	SPRING, HEAD TOGGLE		266	X-3371-305-1	REEL (T) ASSY	
255	3-908-558-02	FITTING BLOCK, HEAD		267	3-669-465-01	WASHER (1.5), STOPPER	
256	3-908-557-02	ROTARY BLOCK, HEAD		268	X-3370-173-1	TU ASSY	
* 257	3-908-559-01	STOPPER, AZIMUTH		269	3-911-116-21	RIVET, PUSH	
258	3-908-555-01	SLIDER (REV SLIDER)		* 271	A-2007-435-A	MD BOARD, COMPLETE	
259	3-917-143-11	SPRING, TENSION		272	3-930-972-01	DETENT, HALF	
260	3-388-848-01	SCREW (P2X6)(B TIGHT)		273	3-917-142-01	SPRING, COMPRESSION	
261	3-911-113-01	SPRING, TENSION		HP101	1-500-093-11	HEAD, MAGNETIC (PLAYBACK)	
262	X-3370-643-1	PINCH LEVER (REV) ASSY		HRPE101	1-500-094-11	HEAD, MAGNETIC (REC/PB/ERASE)	

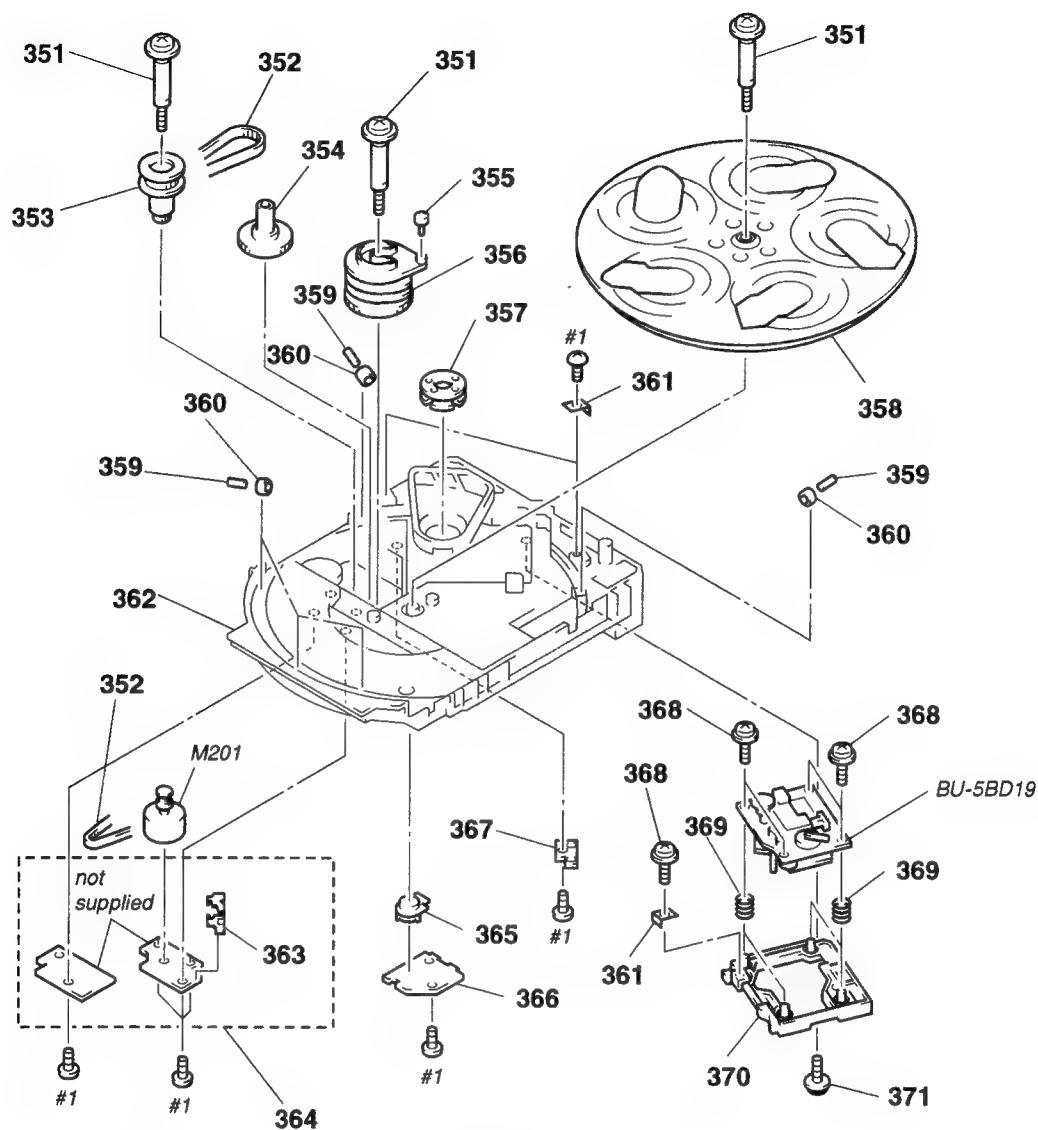
6-7. TC MECHANISM SECTION 3 (TCM-220WR2E)

● A: MOTOR board (Supplied with MD board)



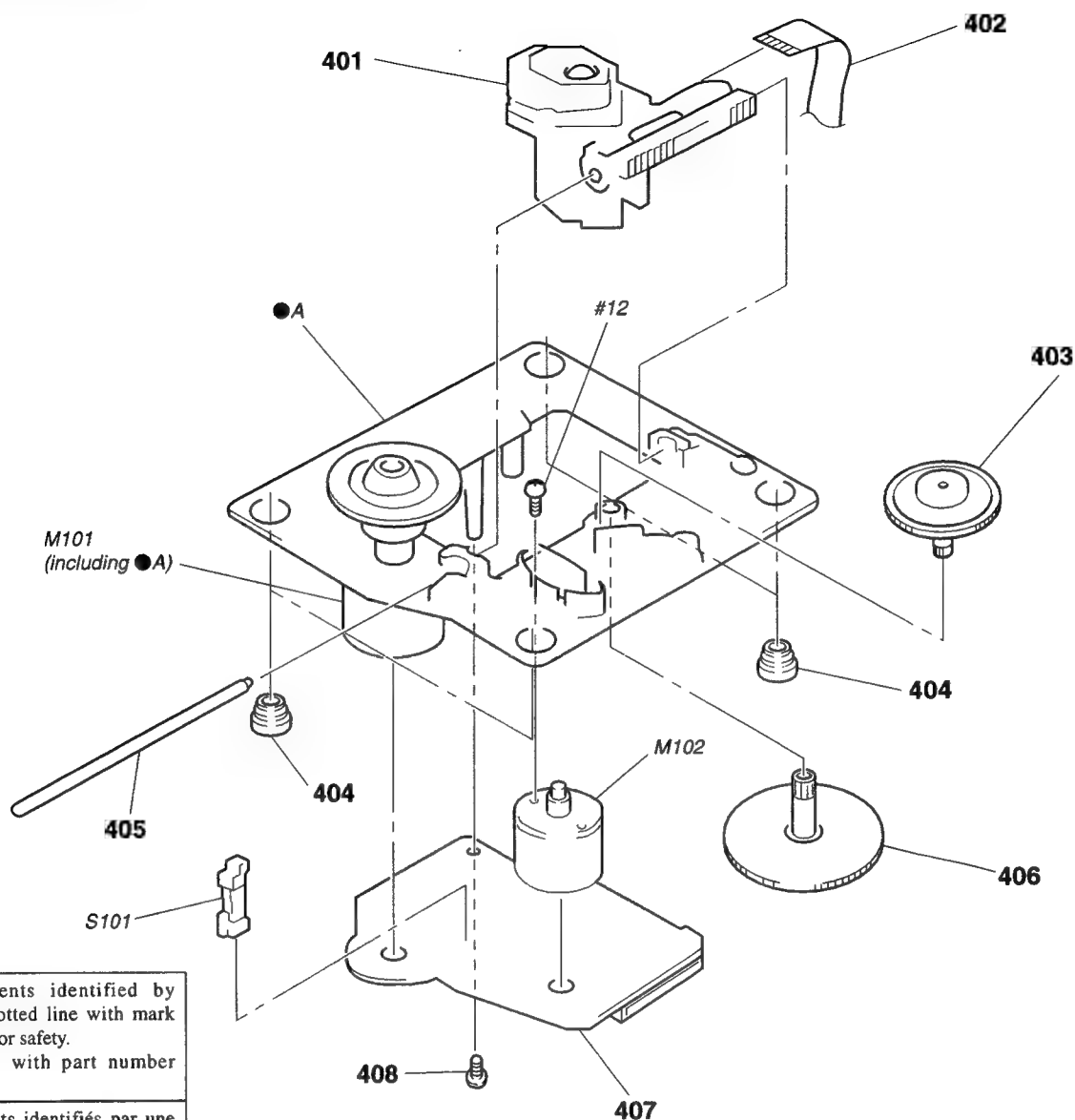
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
301	3-908-597-01	CAM (A)		315	3-908-600-01	LEVER (REV-B)	
302	3-908-608-11	SCREW, STEP		316	1-650-669-11	LEAF SWITCH BOARD	
303	X-3367-590-2	ARM (A) ASSY, FR		317	3-908-598-01	CAM (B)	
304	X-3370-169-1	FLYWHEEL (AR) ASSY		318	X-3369-849-2	ARM (B) ASSY, FR	
305	3-928-047-01	PULLEY, TENSION		319	3-914-111-01	SPRING (FR), TORSION	
306	3-908-599-01	LEVER (REV-A)		320	3-908-604-01	LEVER (TRIGGER B)	
307	3-908-601-01	SPRING (REV LEVER), TORSION		321	3-911-115-01	WASHER, STOPPER	
308	3-908-603-01	LEVER (TRIGGER A)		322	3-917-176-11	BELT (B)	
309	X-3370-170-1	FLYWHEEL (BF) ASSY		323	X-3370-172-1	FLYWHEEL (AF) ASSY	
310	3-908-605-01	SPRING (TRIGGER), TORSION		324	A-2007-435-A	MD BOARD, COMPLETE	
311	3-908-609-01	GEAR, TRIGGER		325	X-3371-441-1	CHASSIS ASSY, MECHANICAL	
312	3-913-845-11	BELT (A)					
313	3-913-846-11	BELT (FR)		M1	X-3371-223-1	MOTOR ASSY (CAPSTAN)	
314	X-3370-171-1	FLYWHEEL (BR) ASSY		M2	A-2004-410-A	MOTOR ASSY (TRIGGER)	

6-8. CD MECHANISM SECTION (CDM37-5BD19)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
351	4-978-423-01	SCREW, STEP		* 362	4-978-418-01	CHASSIS	
352	4-944-490-01	BELT (TIMING)		* 363	4-980-385-01	HOLDER (SW)	
353	A-4660-978-A	GEAR (PULLEY) ASSY		* 364	A-4673-765-A	CD MOTOR BOARD, COMPLETE	
354	4-978-421-01	GEAR (MID)		365	4-978-426-01	INDICATOR (NO.)	
355	4-978-425-01	ROLLER (CAM)					
356	4-978-420-01	CAM (HOLDER)		* 366	1-659-059-13	LED BOARD	
* 357	1-452-538-11	MAGNET		* 367	1-659-058-13	TABLE SENSOR BOARD	
358	4-978-417-01	TABLE, DISC		368	4-933-134-01	SCREW (+PTPWH M2.6X6)	
359	4-934-376-01	SHAFT (ROLLER)		369	4-958-593-01	SPRING (BU), COMPRESSION	
360	X-4924-457-1	ROLLER ASSY		* 370	4-978-419-01	HOLDER (BU-5)	
* 361	4-978-583-01	BRACKET (BU)		371	4-917-583-71	BRACKET, YOKE	
				M201	A-4660-977-A	MOTOR ASSY (TABLE)	

6-9. BASE UNIT SECTION (BU-5BD19)



The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description
Δ 401	8-848-387-01	OPTICAL PICK-UP KSS-213BA/S-N
402	1-769-069-11	WIRE (FLAT TYPE)(16 CORE)
403	4-917-567-01	GEAR (M)
404	4-951-940-01	INSULATOR (BU)
405	4-917-565-01	SHAFT, SLED
406	4-917-564-01	GEAR (P), FLATNESS

Ref. No.	Part No.	Description	Remark
* 407	A-4673-402-A	BD BOARD, COMPLETE	
408	4-951-620-01	SCREW (2.6X8), +BVTP	
M101	X-4917-523-4	MOTOR ASSY (SPINDLE)	
M102	X-4917-504-1	MOTOR ASSY (SLED)	
S101	1-572-085-11	SWITCH, LEAF (LIMIT)	

SECTION 7 ELECTRICAL PARTS LIST

Note:

The components identified by mark Δ or dotted line with mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
All resistors are in ohms
METAL: Metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F : nonflammable

- SEMICONDUCTORS
In each case, u: μ , for example:
uA...: μ A..., uPA...: μ PA..., uPB...: μ PB...,
uPC...: μ PC..., uPD...: μ PD...
- CAPACITORS
uF : μ F
- COILS
uH : μ H
- Abbreviation
CND : Canadian model
G : German model
IT : Italian model
MX : Mexican model
AUS : Australian model
AR : Argentine

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	A-4673-402-A	BD BOARD, COMPLETE *****		C142	1-163-038-91	CERAMIC CHIP 0.1uF	25V
		< CAPACITOR >		C145	1-135-201-11	TANTALUM CHIP 10uF	20% 4V
C101	1-126-607-11	ELECT CHIP 47uF	20% 4V	C146	1-135-201-11	TANTALUM CHIP 10uF	20% 4V
C102	1-163-275-11	CERAMIC CHIP 0.001uF	5% 50V	C147	1-163-275-11	CERAMIC CHIP 0.001uF	5% 50V
C103	1-164-346-11	CERAMIC CHIP 1uF	16V	C148	1-163-275-11	CERAMIC CHIP 0.001uF	5% 50V
C105	1-163-038-91	CERAMIC CHIP 0.1uF	25V	C149	1-164-346-11	CERAMIC CHIP 1uF	16V
C106	1-164-695-11	CERAMIC CHIP 0.0022uF	5% 50V				
				C153	1-135-259-11	TANTAL. CHIP 10uF	20% 6.3V
C107	1-164-695-11	CERAMIC CHIP 0.0022uF	5% 50V	C154	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
C108	1-164-232-11	CERAMIC CHIP 0.01uF	50V			< CONNECTOR >	
C109	1-164-232-11	CERAMIC CHIP 0.01uF	50V	CNU101	1-770-014-11	CONNECTOR, FFC/FPC 16P	
C110	1-163-989-11	CERAMIC CHIP 0.033uF	10% 25V	CNU102	1-770-013-11	CONNECTOR, FFC/FPC 19P	
C111	1-163-038-91	CERAMIC CHIP 0.1uF	25V			< IC >	
				IC101	8-752-069-56	IC CXA1782BQ	
C112	1-163-038-91	CERAMIC CHIP 0.1uF	25V	IC102	8-759-291-06	IC BA6397FP	
C113	1-164-695-11	CERAMIC CHIP 0.0022uF	5% 50V	IC103	8-752-372-94	IC CXD2507AQ	
C114	1-164-005-11	CERAMIC CHIP 0.47uF	25V	IC104	8-759-185-29	IC PCM1710U-B	
C115	1-126-607-11	ELECT CHIP 47uF	20% 4V			< MOTOR >	
C116	1-163-016-00	CERAMIC CHIP 0.0039uF	10% 50V	M101	X-4917-523-4	MOTOR ASSY (SPINDLE)	
				M102	X-4917-504-1	MOTOR ASSY (SLED)	
C117	1-164-005-11	CERAMIC CHIP 0.47uF	25V			< TRANSISTOR >	
C118	1-107-823-11	CERAMIC CHIP 0.47uF	10% 16V	Q101	8-729-010-08	TRANSISTOR MS8710-R	
C119	1-163-038-91	CERAMIC CHIP 0.1uF	25V	Q102	8-729-424-08	TRANSISTOR UN2111	
C120	1-135-201-11	TANTALUM CHIP 10uF	20% 4V	Q103	8-729-421-22	TRANSISTOR UN2211	
C121	1-163-038-91	CERAMIC CHIP 0.1uF	25V			< RESISTOR >	
				R102	1-216-001-00	METAL CHIP 10	5% 1/10W
C122	1-164-232-11	CERAMIC CHIP 0.01uF	50V	R103	1-216-049-91	METAL GLAZE 1K	5% 1/10W
C123	1-163-038-91	CERAMIC CHIP 0.1uF	25V	R104	1-216-097-91	METAL GLAZE 100K	5% 1/10W
C124	1-126-607-11	ELECT CHIP 47uF	20% 4V	R105	1-216-093-00	METAL CHIP 68K	5% 1/10W
C125	1-164-232-11	CERAMIC CHIP 0.01uF	50V	R106	1-216-093-00	METAL CHIP 68K	5% 1/10W
C126	1-163-038-91	CERAMIC CHIP 0.1uF	25V				
				R107	1-216-093-00	METAL CHIP 68K	5% 1/10W
C127	1-164-695-11	CERAMIC CHIP 0.0022uF	5% 50V	R108	1-216-093-00	METAL CHIP 68K	5% 1/10W
C128	1-163-135-00	CERAMIC CHIP 560PF	5% 50V	R109	1-216-097-91	METAL GLAZE 100K	5% 1/10W
C129	1-163-038-91	CERAMIC CHIP 0.1uF	25V	R112	1-216-083-00	METAL CHIP 27K	5% 1/10W
C130	1-164-336-11	CERAMIC CHIP 0.33uF	25V	R113	1-216-083-00	METAL CHIP 27K	5% 1/10W
C131	1-163-038-91	CERAMIC CHIP 0.1uF	25V				
				R114	1-216-101-00	METAL CHIP 150K	5% 1/10W
C132	1-163-037-11	CERAMIC CHIP 0.022uF	10% 25V	R115	1-216-101-00	METAL CHIP 150K	5% 1/10W
C133	1-163-145-00	CERAMIC CHIP 0.0015uF	5% 50V	R116	1-216-061-00	METAL CHIP 3.3K	5% 1/10W
C134	1-164-346-11	CERAMIC CHIP 1uF	16V				
C135	1-163-251-11	CERAMIC CHIP 100PF	5% 50V				
C136	1-164-005-11	CERAMIC CHIP 0.47uF	25V				
C137	1-164-232-11	CERAMIC CHIP 0.01uF	50V				
C139	1-163-235-11	CERAMIC CHIP 22PF	5% 50V				
C140	1-163-235-11	CERAMIC CHIP 22PF	5% 50V				
C141	1-163-038-91	CERAMIC CHIP 0.1uF	25V				

Ref. No.	Part No.	Description	Remark
R117	1-216-069-00	METAL CHIP 6.8K 5%	1/10W
R118	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R119	1-216-089-91	METAL GLAZE 47K 5%	1/10W
R120	1-216-089-91	METAL GLAZE 47K 5%	1/10W
R121	1-216-114-00	METAL GLAZE 510K 5%	1/10W
R122	1-216-097-91	METAL GLAZE 100K 5%	1/10W
R123	1-216-099-00	METAL CHIP 120K 5%	1/10W
R124	1-216-091-00	METAL CHIP 56K 5%	1/10W
R125	1-216-069-00	METAL CHIP 6.8K 5%	1/10W
R126	1-216-063-91	METAL GLAZE 3.9K 5%	1/10W
R127	1-216-089-91	METAL GLAZE 47K 5%	1/10W
R128	1-216-105-91	METAL GLAZE 220K 5%	1/10W
R129	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R130	1-216-079-00	METAL CHIP 18K 5%	1/10W
R131	1-216-079-00	METAL CHIP 18K 5%	1/10W
R132	1-216-061-00	METAL CHIP 3.3K 5%	1/10W
R133	1-216-061-00	METAL CHIP 3.3K 5%	1/10W
R134	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
R135	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
R136	1-216-073-00	METAL CHIP 10K 5%	1/10W
R137	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
R138	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R139	1-216-033-00	METAL CHIP 220 5%	1/10W
R140	1-216-081-00	METAL CHIP 22K 5%	1/10W
R141	1-216-061-00	METAL CHIP 3.3K 5%	1/10W
R142	1-216-061-00	METAL CHIP 3.3K 5%	1/10W
R143	1-216-121-91	METAL GLAZE 1M 5%	1/10W
R144	1-216-073-00	METAL CHIP 10K 5%	1/10W
R145	1-216-097-91	METAL GLAZE 100K 5%	1/10W
R146	1-216-097-91	METAL GLAZE 100K 5%	1/10W
R147	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R148	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R149	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R150	1-216-037-00	METAL CHIP 330 5%	1/10W
R151	1-216-037-00	METAL CHIP 330 5%	1/10W
R152	1-216-037-00	METAL CHIP 330 5%	1/10W
R153	1-216-082-00	METAL GLAZE 24K 5%	1/10W
R154	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
R156	1-216-085-00	METAL CHIP 33K 5%	1/10W
R157	1-216-069-00	METAL CHIP 6.8K 5%	1/10W
R158	1-216-001-00	METAL CHIP 10 5%	1/10W

< VARIABLE RESISTOR >

RV101	1-241-396-11	RES, ADJ, METAL GLAZE 22K
RV102	1-241-396-11	RES, ADJ, METAL GLAZE 22K
RV103	1-241-396-11	RES, ADJ, METAL GLAZE 22K

< SWITCH >

S101	1-572-085-11	SWITCH, LEAF (LIMIT)
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Ref. No.	Part No.	Description	Remark
		< VIBRATOR >	
X101	1-579-280-11	VIBRATOR, CRYSTAL (16.9344MHz)	

*	1-659-404-11	CD (L) BOARD	*****
		< CONNECTOR >	
* CN515	1-568-944-11	PIN, CONNECTOR 6P	
		< DIODE >	
D638	8-719-057-09	DIODE LNJ801LPDJA (CLIP C)	
D639	8-719-057-09	DIODE LNJ801LPDJA (CLIP B)	
D640	8-719-057-09	DIODE LNJ801LPDJA (CLIP A)	
		< RESISTOR >	
R568	1-247-815-91	CARBON 220 5%	1/4W
R569	1-249-411-11	CARBON 330 5%	1/4W
R570	1-249-413-11	CARBON 470 5%	1/4W F
R571	1-249-415-11	CARBON 680 5%	1/4W F
R572	1-249-417-11	CARBON 1K 5%	1/4W F
R573	1-249-419-11	CARBON 1.5K 5%	1/4W F
R574	1-249-421-11	CARBON 2.2K 5%	1/4W F
R575	1-249-423-11	CARBON 3.3K 5%	1/4W F
R576	1-249-427-11	CARBON 6.8K 5%	1/4W F
R577	1-249-431-11	CARBON 15K 5%	1/4W
		< SWITCH >	
S569	1-554-303-21	SWITCH, TACTILE (CLIP C)	
S570	1-554-303-21	SWITCH, TACTILE (CLIP B)	
S571	1-554-303-21	SWITCH, TACTILE (CLIP A)	
S572	1-554-303-21	SWITCH, TACTILE (ERASE MUSIC CLIP)	
S573	1-554-303-21	SWITCH, TACTILE (PLAY MUSIC CLIP)	
S574	1-554-303-21	SWITCH, TACTILE (DISC 1 DISC SELECT)	
S575	1-554-303-21	SWITCH, TACTILE (DISC 2 DISC SELECT)	
S576	1-554-303-21	SWITCH, TACTILE (DISC 3 DISC SELECT)	
S577	1-554-303-21	SWITCH, TACTILE (DISC 4 DISC SELECT)	
S578	1-554-303-21	SWITCH, TACTILE (DISC 5 DISC SELECT)	

*	1-659-409-11	CD (R) BOARD	*****
		< CONNECTOR >	
CN514	1-568-936-11	PIN, CONNECTOR 9P	
		< DIODE >	
D603	8-719-058-03	DIODE SEL5423E-TP15 (▷)	
D604	8-719-058-03	DIODE SEL5423E-TP15 (▷)	
D636	8-719-058-17	DIODE LNJ401NPYJA (□)	

CD (R)	CD JOG	CD LED	CD MOTOR	DOOR SW
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Ref. No.	Part No.	Description	Remark			
D637	8-719-057-09	DIODE LNJ801LPDJA (AUTO PLAY) < RESISTOR >				
R553	1-249-411-11	CARBON	330	5%	1/4W	
R554	1-249-413-11	CARBON	470	5%	1/4W	F
R555	1-249-415-11	CARBON	680	5%	1/4W	F
R556	1-249-417-11	CARBON	1K	5%	1/4W	F
R557	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R678	1-247-815-91	CARBON	220	5%	1/4W	
R680	1-247-815-91	CARBON	220	5%	1/4W	
< SWITCH >						
S554	1-554-303-21	SWITCH, TACTILE (▷)				
S555	1-554-303-21	SWITCH, TACTILE (□)				
S556	1-554-303-21	SWITCH, TACTILE (⏏)				
S557	1-554-303-21	SWITCH, TACTILE (DISC SKIP)				
S558	1-554-303-21	SWITCH, TACTILE (AUTO PLAY)				

*	1-659-405-11	CD JOG BOARD *****				
< CAPACITOR >						
C515	1-162-306-11	CERAMIC	0.01uF	30%	16V	
C516	1-162-306-11	CERAMIC	0.01uF	30%	16V	
< CONNECTOR >						
* CN518	1-568-942-11	PIN, CONNECTOR 4P				
< RESISTOR >						
R558	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R559	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R560	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R561	1-249-431-11	CARBON	15K	5%	1/4W	
< SWITCH >						
S502	1-473-534-11	ENCODER, ROTARY (◀▶ AMS ▶▶▶)				
S559	1-554-303-21	SWITCH, TACTILE (PROGRAM)				
S560	1-554-303-21	SWITCH, TACTILE (REPEAT)				
S561	1-554-303-21	SWITCH, TACTILE (SHUFFLE)				
S562	1-554-303-21	SWITCH, TACTILE (CONTINUE)				

*	1-659-406-11	CD LED BOARD *****				
< CONNECTOR >						
CN516	1-506-481-11	PIN, CONNECTOR 2P				
< DIODE >						
D3151	8-719-057-40	DIODE HLMF-K305-2UL (5CD)				

Ref. No.	Part No.	Description	Remark			
D3152	8-719-058-19	DIODE HLMF-K405-2UL (5CD)				
D3153	8-719-058-19	DIODE HLMF-K405-2UL (5CD)				
D3154	8-719-057-40	DIODE HLMF-K305-2UL (5CD)				
< RESISTOR >						
R3151	1-249-412-11	CARBON	390	5%	1/4W	F

*	A-4673-765-A	CD MOTOR BOARD, COMPLETE	*****			
*	4-980-385-01	HOLDER (SW)				
< CAPACITOR >						
C201	1-124-907-11	ELECT	10uF	20%	50V	
C202	1-164-159-21	CERAMIC	0.1uF		50V	
C203	1-124-907-11	ELECT	10uF	20%	50V	
< CONNECTOR >						
* CN201	1-568-947-11	PIN, CONNECTOR 9P				
< IC >						
IC201	8-759-365-94	IC TA8409S				
< COIL >						
L201	1-408-117-00	INDUCTOR 10uH				
< MOTOR >						
M201	A-4660-977-A	MOTOR ASSY (TABLE)				
< RESISTOR >						
R205	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R206	1-249-425-11	CARBON	4.7K	5%	1/4W	F
< SWITCH >						
S201	1-762-587-11	SWITCH, PUSH (1 KEY)(UP)				

*	1-659-408-11	DOOR SW BOARD	*****			
< CAPACITOR >						
C591	1-164-159-21	CERAMIC	0.1uF		50V	
< CONNECTOR >						
* CN519	1-506-481-11	PIN, CONNECTOR 2P				

DOOR SW

HP

LEAF SWITCH

LED

MAIN

Ref. No.	Part No.	Description	Remark
		< SWITCH >	
S591	1-572-126-11	SWITCH, PUSH (1 KEY)(Δ OPEN)	

*	1-659-411-11	HP BOARD	

		< CAPACITOR >	
C621	1-162-294-31	CERAMIC 1000PF 50V	
		(N555AV:AEP,UK,G,IT)	
C622	1-162-294-31	CERAMIC 1000PF 50V	
		(N555AV:AEP,UK,G,IT)	
C623	1-164-159-21	CERAMIC 0.1uF 50V	
C624	1-164-159-21	CERAMIC 0.1uF 50V	
		< JACK >	
J601	1-569-113-11	JACK, LARGE TYPE (PHONES)	

*	1-650-669-11	LEAF SWITCH BOARD	

		< CONNECTOR >	
* CN1001	1-568-854-11	SOCKET, CONNECTOR 11P	
		< TRANSISTOR >	
Q1001	8-749-010-90	TRANSISTOR PHOTO REFLECTOR NJL5165KA-H2	
Q1002	8-749-010-90	TRANSISTOR PHOTO REFLECTOR NJL5165KA-H2	
		< RESISTOR >	
R1001	1-247-818-11	CARBON 300 5% 1/4W	
R1002	1-247-820-11	CARBON 360 5% 1/4W	
R1003	1-249-414-11	CARBON 560 5% 1/4W	F
R1004	1-247-834-11	CARBON 1.3K 5% 1/4W	
R1005	1-247-818-11	CARBON 300 5% 1/4W	
		< SWITCH >	
S1001	1-692-832-11	SWITCH, PUSH (1 KEY)(A PLAY)	
S1002	1-692-832-11	SWITCH, PUSH (1 KEY)(B PLAY)	
S1003	1-572-248-11	SWITCH, LEAF (A HALF)	
S1004	1-571-281-21	SWITCH, LEAF (A CrO2)	
S1005	1-571-281-21	SWITCH, LEAF (REC A)	
S1006	1-572-248-11	SWITCH, LEAF (B HALF)	
S1008	1-571-281-21	SWITCH, LEAF (B CrO2)	
S1009	1-571-281-21	SWITCH, LEAF (REC B)	

Ref. No.	Part No.	Description	Remark
*	1-659-059-13	LED BOARD	

		< DIODE >	
D201	8-719-032-98	DIODE SEL5820A (DISC No.)	
		< TRANSISTOR >	
Q201	8-729-119-78	TRANSISTOR 2SC2785-HFE	
		< RESISTOR >	
R201	1-247-863-91	CARBON 22K 5% 1/4W	
R202	1-249-411-11	CARBON 330 5% 1/4W	
R203	1-249-437-11	CARBON 47K 5% 1/4W	

*	A-4389-602-A	MAIN BOARD, COMPLETE (D670AV)	

*	A-4389-615-A	MAIN BOARD, COMPLETE (N555AV:E,MX,AR)	

*	A-4389-622-A	MAIN BOARD, COMPLETE (N555AV:AEP,UK)	

*	A-4389-894-A	MAIN BOARD, COMPLETE (N555AV:AUS,PX)	

*	A-4390-010-A	MAIN BOARD, COMPLETE (N555AV:G,IT)	

	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
		< CAPACITOR >	
C201	1-124-925-11	ELECT 2.2uF 20% 100V	
C202	1-130-479-00	MYLAR 0.0047uF 5% 50V	
C203	1-126-925-11	ELECT 470uF 20% 10V	
C211	1-124-925-11	ELECT 2.2uF 20% 100V	
C212	1-130-479-00	MYLAR 0.0047uF 5% 50V	
C250	1-162-306-11	CERAMIC 0.01uF 20% 16V	
		(N555AV:AEP,UK,G,IT)	
C251	1-164-035-11	CERAMIC 47PF 5% 50V	
		(N555AV:AEP,UK,G,IT)	
C252	1-102-527-11	CERAMIC 82PF 5% 50V	
		(N555AV:AEP,UK,G,IT)	
C253	1-162-291-31	CERAMIC 560PF 10% 50V	
		(N555AV:AEP,UK,G,IT)	
C254	1-162-306-11	CERAMIC 0.01uF 20% 16V	
		(N555AV:AEP,UK,G,IT)	
C255	1-162-288-31	CERAMIC 330PF 10% 50V	
		(N555AV:AEP,UK,G,IT)	
C256	1-124-925-11	ELECT 2.2uF 20% 100V	
		(N555AV:AEP,UK,G,IT)	
C257	1-126-964-11	ELECT 10uF 20% 50V	
		(N555AV:AEP,UK,G,IT)	

MAIN

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C258	1-162-291-31	CERAMIC	560PF	10%	50V	C807	1-130-473-00	MYLAR	0.0015uF	5%	50V
			(N555AV:AEP,UK,G,IT)			C808	1-126-956-91	ELECT	0.1uF	20%	50V
C259	1-126-964-11	ELECT	10uF	20%	50V	C809	1-126-967-11	ELECT	47uF	20%	10V
			(N555AV:AEP,UK,G,IT)								
C260	1-164-159-21	CERAMIC	0.1uF		50V	C810	1-162-306-11	CERAMIC	0.01uF	30%	16V
			(N555AV:AEP,UK,G,IT)			C811	1-162-306-11	CERAMIC	0.01uF	30%	16V
C261	1-126-967-11	ELECT	47uF	20%	16V	C812	1-162-306-11	CERAMIC	0.01uF	30%	16V
			(N555AV:AEP,UK,G,IT)			C813	1-162-306-11	CERAMIC	0.01uF	30%	16V
C263	1-162-294-31	CERAMIC	0.001uF	10%	50V	C814	1-162-306-11	CERAMIC	0.01uF	30%	16V
C301	1-130-479-00	MYLAR	0.0047uF	5%	50V						
C302	1-162-290-31	CERAMIC	470PF	10%	50V	C821	1-162-286-21	CERAMIC	220PF	10%	50V
						C825	1-109-889-11	ELECT	1uF	20%	50V
C303	1-136-165-00	FILM	0.1uF	5%	50V	C827	1-162-306-11	CERAMIC	0.01uF	30%	16V
			(D670AV/N555AV:AEP,UK,G,IT)			C828	1-162-306-11	CERAMIC	0.01uF	30%	16V
C305	1-124-903-11	ELECT	1uF	20%	50V	C829	1-162-292-31	CERAMIC	680PF	10%	50V
C306	1-124-902-00	ELECT	0.47uF	20%	50V						
C307	1-126-964-11	ELECT	10uF	20%	50V	C830	1-126-964-11	ELECT	10uF	20%	50V
C308	1-126-964-11	ELECT	10uF	20%	50V	C831	1-162-286-21	CERAMIC	220PF	10%	50V
						C850	1-162-306-11	CERAMIC	0.01uF	30%	16V
C309	1-124-903-11	ELECT	1uF	20%	50V	C851	1-162-288-31	CERAMIC	330PF	10%	50V
C310	1-126-933-11	ELECT	100uF	20%	10V	C853	1-162-282-31	CERAMIC	100PF	10%	50V
C351	1-130-479-00	MYLAR	0.0047uF	5%	50V						
C352	1-162-290-31	CERAMIC	470PF	10%	50V	C854	1-162-282-31	CERAMIC	100PF	10%	50V
C353	1-136-165-00	FILM	0.1uF	5%	50V	C855	1-126-963-11	ELECT	4.7uF	20%	50V
			(D670AV/N555AV:AEP,UK,G,IT)						(D670AV/N555AV:AEP,UK,G,IT)		
C355	1-124-903-11	ELECT	1uF	20%	50V	C855	1-124-925-11	ELECT	2.2uF	20%	100V
C356	1-124-902-00	ELECT	0.47uF	20%	50V				(N555AV:E,AUS,PX,MX,AR)		
C357	1-126-964-11	ELECT	10uF	20%	50V	C856	1-130-479-00	MYLAR	0.0047uF	5%	50V
C358	1-126-964-11	ELECT	10uF	20%	50V	C857	1-130-473-00	MYLAR	0.0015uF	5%	50V
C359	1-124-903-11	ELECT	1uF	20%	50V						
						C858	1-126-956-91	ELECT	0.1uF	20%	50V
C360	1-126-933-11	ELECT	100uF	20%	10V	C859	1-126-967-11	ELECT	47uF	20%	10V
C401	1-164-159-21	CERAMIC	0.1uF		50V	C864	1-162-306-11	CERAMIC	0.01uF	30%	16V
C402	1-164-159-21	CERAMIC	0.1uF		50V	C871	1-162-286-21	CERAMIC	220PF	10%	50V
C403	1-164-159-21	CERAMIC	0.1uF		50V	C875	1-162-294-31	CERAMIC	0.001uF	10%	50V
C404	1-126-933-11	ELECT	100uF	20%	16V				(N555AV:E,AUS,PX,MX,AR)		
C701	1-162-282-31	CERAMIC	100PF	10%	50V	C901	1-124-464-11	ELECT	0.22uF	20%	50V
C702	1-126-926-11	ELECT	1000uF	20%	10V	C902	1-124-464-11	ELECT	0.22uF	20%	50V
C703	1-126-964-11	ELECT	10uF	20%	50V	C903	1-136-495-11	FILM	0.068uF	5%	50V
C704	1-136-165-00	FILM	0.1uF	5%	50V	C904	1-136-495-11	FILM	0.068uF	5%	50V
C705	1-136-165-00	FILM	0.1uF	5%	50V	C905	1-136-156-00	FILM	0.018uF	5%	50V
C706	1-126-965-11	ELECT	22uF	20%	50V	C906	1-136-156-00	FILM	0.018uF	5%	50V
C707	1-162-204-31	CERAMIC	16PF	5%	50V	C907	1-130-480-00	MYLAR	0.0056uF	5%	50V
C708	1-162-204-31	CERAMIC	16PF	5%	50V	C908	1-130-479-00	MYLAR	0.0047uF	5%	50V
C710	1-164-159-21	CERAMIC	0.1uF		50V	C909	1-130-474-00	MYLAR	0.0018uF	5%	50V
C711	1-164-159-21	CERAMIC	0.1uF		50V	C910	1-126-964-11	ELECT	10uF	20%	50V
C715	1-162-294-31	CERAMIC	0.001uF	10%	50V	C911	1-126-964-11	ELECT	10uF	20%	50V
C801	1-162-288-31	CERAMIC	330PF	10%	50V	C912	1-136-169-00	FILM	0.22uF	5%	50V
C803	1-162-282-31	CERAMIC	100PF	10%	50V	C913	1-136-169-00	FILM	0.22uF	5%	50V
C804	1-162-282-31	CERAMIC	100PF	10%	50V	C914	1-126-964-11	ELECT	10uF	20%	50V
C805	1-126-963-11	ELECT	4.7uF	20%	50V	C915	1-136-154-00	FILM	0.012uF	5%	50V
			(D670AV/N555AV:AEP,UK,G,IT)								
C805	1-124-925-11	ELECT	2.2uF	20%	100V	C930	1-136-167-00	FILM	0.15uF	5%	50V
			(N555AV:E,AUS,PX,MX,AR)			C931	1-130-471-00	MYLAR	0.001uF	5%	50V
C806	1-130-479-00	MYLAR	0.0047uF	5%	50V	C934	1-126-933-11	ELECT	100uF	20%	10V
						C935	1-164-159-21	CERAMIC	0.1uF		50V
						C937	1-126-964-11	ELECT	10uF	20%	50V

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C938	1-162-286-21	CERAMIC	220PF	10%	50V	C1103	1-126-962-11	ELECT	3.3uF	20%	50V
C939	1-162-306-11	CERAMIC	0.01uF	30%	16V	C1104	1-126-962-11	ELECT	3.3uF	20%	50V
C941	1-162-306-11	CERAMIC	0.01uF	30%	16V	C1105	1-136-167-00	FILM	0.15uF	5%	50V
C942	1-126-933-11	ELECT	100uF	20%	10V	C1106	1-136-167-00	FILM	0.15uF	5%	50V
C943	1-162-306-11	CERAMIC	0.01uF	30%	16V						
C944	1-126-964-11	ELECT	10uF	20%	50V	C1107	1-126-963-11	ELECT	4.7uF	20%	50V
C945	1-126-964-11	ELECT	10uF	20%	50V	C1108	1-126-963-11	ELECT	4.7uF	20%	50V
C947	1-162-306-11	CERAMIC	0.01uF	30%	16V	C1109	1-124-902-00	ELECT	0.47uF	20%	50V
C948	1-126-964-11	ELECT	10uF	20%	50V	C1110	1-124-902-00	ELECT	0.47uF	20%	50V
C951	1-124-464-11	ELECT	0.22uF	20%	50V	C1111	1-126-963-11	ELECT	4.7uF	20%	50V
C952	1-124-464-11	ELECT	0.22uF	20%	50V	C1112	1-126-963-11	ELECT	4.7uF	20%	50V
C953	1-136-495-11	FILM	0.068uF	5%	50V	C1113	1-124-902-00	ELECT	0.47uF	20%	50V
C954	1-136-495-11	FILM	0.068uF	5%	50V	C1114	1-124-902-00	ELECT	0.47uF	20%	50V
C955	1-136-156-00	FILM	0.018uF	5%	50V	C1115	1-136-165-00	FILM	0.1uF	5%	50V
C956	1-136-156-00	FILM	0.018uF	5%	50V	C1116	1-136-165-00	FILM	0.1uF	5%	50V
C957	1-130-480-00	MYLAR	0.0056uF	5%	50V	C1117	1-136-165-00	FILM	0.1uF	5%	50V
C958	1-130-479-00	MYLAR	0.0047uF	5%	50V	C1118	1-136-165-00	FILM	0.1uF	5%	50V
C959	1-130-474-00	MYLAR	0.0018uF	5%	50V	C1119	1-126-964-11	ELECT	10uF	20%	50V
C960	1-126-964-11	ELECT	10uF	20%	50V	C1120	1-126-964-11	ELECT	10uF	20%	50V
C961	1-126-964-11	ELECT	10uF	20%	50V	C1121	1-126-923-11	ELECT	220uF	20%	10V
C962	1-136-169-00	FILM	0.22uF	5%	50V	C1122	1-126-964-11	ELECT	10uF	20%	50V
C963	1-136-169-00	FILM	0.22uF	5%	50V	C1123	1-126-964-11	ELECT	10uF	20%	50V
C964	1-126-964-11	ELECT	10uF	20%	50V	C1124	1-126-964-11	ELECT	10uF	20%	50V
C965	1-136-154-00	FILM	0.012uF	5%	50V	C1125	1-126-964-11	ELECT	10uF	20%	50V
C1001	1-126-969-11	ELECT	6800uF	20%	25V	C1126	1-126-923-11	ELECT	220uF	20%	10V
C1002	1-126-943-11	ELECT	2200uF	20%	25V	C1127	1-136-161-00	FILM	0.047uF	5%	50V
C1004	1-126-925-11	ELECT	470uF	20%	10V	C1128	1-136-157-00	FILM	0.022uF	5%	50V
C1005	1-126-964-11	ELECT	10uF	20%	50V	C1129	1-162-292-31	CERAMIC	680PF	10%	50V
C1006	1-126-933-11	ELECT	100uF	20%	10V	C1130	1-126-933-11	ELECT	100uF	20%	10V
C1007	1-126-933-11	ELECT	100uF	20%	10V	C1131	1-162-306-11	CERAMIC	0.01uF	30%	16V
C1008	1-126-952-11	ELECT	1000uF	20%	16V	C1132	1-126-964-11	ELECT	10uF	20%	50V
C1009	1-162-294-31	CERAMIC	0.001uF	10%	50V	C1133	1-136-173-00	FILM	0.47uF	5%	50V
C1010	1-164-159-21	CERAMIC	0.1uF		50V	C1134	1-104-664-11	ELECT	47uF	20%	25V
C1011	1-164-159-21	CERAMIC	0.1uF		50V	C1135	1-130-467-00	MYLAR	470PF	5%	50V
C1012	1-126-964-11	ELECT	10uF	20%	50V	C1136	1-130-467-00	MYLAR	470PF	5%	50V
C1013	1-126-916-11	ELECT	1000uF	20%	6.3V	C1137	1-162-306-11	CERAMIC	0.01uF	30%	16V
C1014	1-164-159-21	CERAMIC	0.1uF		50V	C1138	1-162-306-11	CERAMIC	0.01uF	30%	16V
C1015	1-164-159-21	CERAMIC	0.1uF		50V	C1141	1-126-964-11	ELECT	10uF	20%	50V
C1016	1-126-925-11	ELECT	470uF	20%	10V	C1142	1-136-159-00	FILM	0.033uF	5%	50V
C1017	1-126-925-11	ELECT	470uF	20%	10V	C1143	1-162-306-11	CERAMIC	0.01uF	30%	16V
C1018	1-126-943-11	ELECT	2200uF	20%	25V	C1144	1-126-933-11	ELECT	100uF	20%	10V
C1019	1-126-934-11	ELECT	220uF	20%	16V	C1145	1-124-925-11	ELECT	2.2uF	20%	100V
C1020	1-126-947-11	ELECT	47uF	20%	35V	C1146	1-162-286-21	CERAMIC	220PF	10%	50V
C1021	1-162-294-31	CERAMIC	1000PF	10%	50V	C1147	1-162-306-11	CERAMIC	0.01uF	30%	16V
C1022	1-126-969-11	ELECT	220uF	20%	50V	C1148	1-126-923-11	ELECT	220uF	20%	10V
C1023	1-126-969-11	ELECT	220uF	20%	50V	C1149	1-136-159-00	FILM	0.033uF	5%	50V
C1024	1-126-964-11	ELECT	10uF	20%	50V	C1150	1-130-473-00	MYLAR	0.0015uF	5%	50V
C1025	1-126-964-11	ELECT	10uF	20%	50V	C1151	1-136-159-00	FILM	0.033uF	5%	50V
C1026	1-126-952-11	ELECT	1000uF	20%	16V	C1152	1-124-903-11	ELECT	1uF	20%	50V
C1101	1-136-167-00	FILM	0.15uF	5%	50V	C1153	1-126-923-11	ELECT	220uF	20%	10V
C1102	1-136-167-00	FILM	0.15uF	5%	50V	C1154	1-126-964-11	ELECT	10uF	20%	50V
						C1155	1-126-964-11	ELECT	10uF	20%	50V

MAIN

Ref. No.	Part No.	Description	Remark
D711	8-719-200-82	DIODE 11ES2	
D901	8-719-987-63	DIODE 1N4148M	
D902	8-719-987-63	DIODE 1N4148M	
D1001	8-719-200-82	DIODE 11ES2	
D1002	8-719-200-82	DIODE 11ES2	
D1003	8-719-028-23	DIODE D3SBA20-4101	
D1007	8-719-987-63	DIODE 1N4148M	
D1008	8-719-001-43	DIODE UZL-11M1-TA	
D1009	8-719-987-63	DIODE 1N4148M	
D1010	8-719-987-63	DIODE 1N4148M	
D1011	8-719-010-43	DIODE UZ-5.6BSC	
D1012	8-719-934-22	DIODE HZS30-2L	
D1013	8-719-200-82	DIODE 11ES2	
D1014	8-719-200-82	DIODE 11ES2	
D1015	8-719-200-82	DIODE 11ES2	
D1016	8-719-200-82	DIODE 11ES2	
D1017	8-719-200-82	DIODE 11ES2	
D1018	8-719-200-82	DIODE 11ES2	
D1019	8-719-200-82	DIODE 11ES2	
< GROUND TERMINAL >			
EPT902	1-537-770-21	TERMINAL BOARD, GROUND	
< IC >			
IC250	8-759-169-99	IC SAA6579 (N555AV:AEP,UK,G,IT)	
IC251	8-759-634-51	IC M5218AP (N555AV:AEP,UK,G,IT)	
IC401	8-759-289-38	IC HA12195NT (D670AV/N555AV:AEP,UK,G,IT)	
IC401	8-759-289-39	IC HA12196NT (N555AV:E,AUS,PX,MX,AR)	
IC402	8-759-822-09	IC LB1641	
IC701	8-759-392-42	IC TMP87CS64YF-6397	
IC702	8-759-165-80	IC PST600C-T	
IC801	8-759-634-51	IC M5218AP	
IC802	8-759-000-48	IC MC14052BCP	
IC803	8-759-140-53	IC UPD4053BC	
IC805	8-759-634-51	IC M5218AP	
IC901	8-759-331-39	IC M62427FP	
IC902	8-759-634-51	IC M5218AP	
IC1001	8-759-231-53	IC TA7805S	
IC1002	8-759-604-86	IC M5F7807L	
IC1003	8-759-604-86	IC M5F7807L	
IC1004	8-759-604-90	IC M5F7907L	
IC1101	8-759-248-74	IC LA2785	
IC1102	8-759-341-23	IC LV1011	
IC1103	8-759-634-51	IC M5218AP	
IC1104	8-759-281-42	IC TC9210P	
< JACK >			
J801	1-695-188-31	JACK, PIN 4P (PHONO, VIDEO (AUDIO) IN)	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
< COIL >				R251	1-249-401-11	CARBON	47 5% 1/4W F (N555AV:AEP,UK,G,IT)
L250	1-410-521-11	INDUCTOR 100uH (N555AV:AEP,UK,G,IT)		R252	1-249-441-11	CARBON	100K 5% 1/4W (N555AV:AEP,UK,G,IT)
L701	1-410-509-11	INDUCTOR 10uH		R253	1-249-441-11	CARBON	100K 5% 1/4W (N555AV:AEP,UK,G,IT)
L702	1-410-509-11	INDUCTOR 10uH		R254	1-249-426-11	CARBON	5.6K 5% 1/4W (N555AV:AEP,UK,G,IT)
L703	1-410-509-11	INDUCTOR 10uH		R255	1-249-429-11	CARBON	10K 5% 1/4W (N555AV:AEP,UK,G,IT)
L704	1-410-509-11	INDUCTOR 10uH		R256	1-247-807-31	CARBON	100 5% 1/4W (N555AV:AEP,UK,G,IT)
L1101	1-410-509-11	INDUCTOR 10uH		R301	1-249-430-11	CARBON	12K 5% 1/4W
L1102	1-410-509-11	INDUCTOR 10uH		R302	1-249-431-11	CARBON	15K 5% 1/4W
L1104	1-410-509-11	INDUCTOR 10uH		R303	1-249-432-11	CARBON	18K 5% 1/4W (D670AV/N555AV:AEP,UK,G,IT)
< TRANSISTOR >				R304	1-249-428-11	CARBON	8.2K 5% 1/4W F
Q301	8-729-119-78	TRANSISTOR 2SC403SP-51		R305	1-249-425-11	CARBON	4.7K 5% 1/4W F
Q351	8-729-119-78	TRANSISTOR 2SC403SP-51		R306	1-247-840-00	CARBON	2.4K 5% 1/4W
Q401	8-729-119-78	TRANSISTOR 2SC403SP-51		R307	1-247-863-91	CARBON	22K 5% 1/4W
Q402	8-729-900-65	TRANSISTOR DTA144ES		R308	1-249-421-11	CARBON	2.2K 5% 1/4W F
Q403	8-729-801-93	TRANSISTOR 2SD1387		R309	1-249-428-11	CARBON	8.2K 5% 1/4W F
Q406	8-729-900-80	TRANSISTOR DTC114ES		R310	1-249-417-11	CARBON	1K 5% 1/4W F
Q407	8-729-422-57	TRANSISTOR UN4111		R351	1-249-430-11	CARBON	12K 5% 1/4W
Q408	8-729-119-76	TRANSISTOR 2SA1175-HFE		R352	1-249-431-11	CARBON	15K 5% 1/4W
Q409	8-729-900-80	TRANSISTOR DTC114ES		R354	1-249-428-11	CARBON	8.2K 5% 1/4W F
Q410	8-729-900-65	TRANSISTOR DTA144ES		R355	1-249-425-11	CARBON	4.7K 5% 1/4W F
Q411	8-729-900-65	TRANSISTOR DTA144ES		R356	1-247-840-00	CARBON	2.4K 5% 1/4W
Q412	8-729-900-65	TRANSISTOR DTA144ES		R357	1-247-863-91	CARBON	22K 5% 1/4W
Q701	8-729-119-78	TRANSISTOR 2SC403SP-51		R358	1-249-421-11	CARBON	2.2K 5% 1/4W. F
Q820	8-729-422-57	TRANSISTOR UN4111		R359	1-249-428-11	CARBON	8.2K 5% 1/4W F
Q821	8-729-141-26	TRANSISTOR 2SC3622A-LK		R360	1-249-417-11	CARBON	1K 5% 1/4W F
Q822	8-729-141-26	TRANSISTOR 2SC3622A-LK		R401	1-249-425-11	CARBON	4.7K 5% 1/4W F
Q823	8-729-422-57	TRANSISTOR UN4111		R402	1-249-425-11	CARBON	4.7K 5% 1/4W F
Q824	8-729-900-80	TRANSISTOR DTC114ES		R403	1-249-425-11	CARBON	4.7K 5% 1/4W F
Q830	8-729-141-26	TRANSISTOR 2SC3622A-LK		R404	1-249-417-11	CARBON	1K 5% 1/4W F
Q901	8-729-119-78	TRANSISTOR 2SC403SP-51		R405	1-249-437-11	CARBON	47K 5% 1/4W
Q902	8-729-119-78	TRANSISTOR 2SC403SP-51		R406	1-249-437-11	CARBON	47K 5% 1/4W
Q951	8-729-119-78	TRANSISTOR 2SC403SP-51		R407	1-249-437-11	CARBON	47K 5% 1/4W
Q952	8-729-119-78	TRANSISTOR 2SC403SP-51		R408	1-249-437-11	CARBON	47K 5% 1/4W
Q953	8-729-141-26	TRANSISTOR 2SC3622A-LK		R409	1-249-429-11	CARBON	10K 5% 1/4W
Q954	8-729-141-26	TRANSISTOR 2SC3622A-LK		R410	1-247-882-11	CARBON	130K 5% 1/4W
Q1001	8-729-118-01	TRANSISTOR 2SB1116		R411	1-247-866-11	CARBON	30K 5% 1/4W
Q1002	8-729-900-36	TRANSISTOR DTC124ES		R412	1-249-429-11	CARBON	10K 5% 1/4W (D670AV/N555AV:AEP,UK,G,IT)
Q1003	8-729-021-82	TRANSISTOR 2SD2396K		R413	1-247-864-11	CARBON	24K 5% 1/4W
Q1006	8-729-118-01	TRANSISTOR 2SB1116		R414	1-249-429-11	CARBON	10K 5% 1/4W
Q1101	8-729-141-26	TRANSISTOR 2SC3622A-LK		R415	1-249-429-11	CARBON	10K 5% 1/4W
Q1102	8-729-141-26	TRANSISTOR 2SC3622A-LK		R416	1-249-429-11	CARBON	10K 5% 1/4W
< RESISTOR >				R417	1-249-429-11	CARBON	10K 5% 1/4W
R201	1-249-415-11	CARBON	680 5% 1/4W F	R418	1-249-429-11	CARBON	10K 5% 1/4W
R202	1-249-435-11	CARBON	33K 5% 1/4W	R419	1-249-429-11	CARBON	10K 5% 1/4W
R211	1-249-415-11	CARBON	680 5% 1/4W F				
R212	1-249-435-11	CARBON	33K 5% 1/4W				
R250	1-249-421-11	CARBON	2.2K 5% 1/4W F (N555AV:AEP,UK,G,IT)				

MAIN

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R420	1-249-429-11	CARBON	10K	5%	1/4W (D670AV/N555AV:AEP,UK,G,IT)	R741	1-247-863-91	CARBON	22K	5%	1/4W (N555AV:AUS,PX)
R421	1-249-429-11	CARBON	10K	5%	1/4W (D670AV/N555AV:AEP,UK,G,IT)	R741	1-249-423-11	CARBON	3.3K	5%	1/4W F (N555AV:AEP,UK,G,IT)
R454	1-247-863-91	CARBON	22K	5%	1/4W	R741	1-249-427-11	CARBON	6.8K	5%	1/4W F (N555AV:E,MX,AR)
R455	1-247-863-91	CARBON	22K	5%	1/4W						
R456	1-249-411-11	CARBON	330	5%	1/4W	R743	1-247-807-31	CARBON	100	5%	1/4W
R457	1-249-427-11	CARBON	6.8K	5%	1/4W F	R744	1-247-807-31	CARBON	100	5%	1/4W
						R745	1-247-807-31	CARBON	100	5%	1/4W
R458	1-249-429-11	CARBON	10K	5%	1/4W	R746	1-247-807-31	CARBON	100	5%	1/4W
R461	1-249-417-11	CARBON	1K	5%	1/4W F	R747	1-247-807-31	CARBON	100	5%	1/4W
R701	1-249-429-11	CARBON	10K	5%	1/4W						
R702	1-247-807-31	CARBON	100	5%	1/4W (N555AV)	R748	1-247-807-31	CARBON	100	5%	1/4W
						R749	1-247-807-31	CARBON	100	5%	1/4W
R703	1-249-429-11	CARBON	10K	5%	1/4W	R754	1-249-417-11	CARBON	1K	5%	1/4W F
						R756	1-247-807-31	CARBON	100	5%	1/4W
R705	1-249-429-11	CARBON	10K	5%	1/4W	R757	1-249-429-11	CARBON	10K	5%	1/4W
R706	1-247-807-31	CARBON	100	5%	1/4W						
R707	1-249-429-11	CARBON	10K	5%	1/4W	R758	1-249-429-11	CARBON	10K	5%	1/4W
R709	1-249-429-11	CARBON	10K	5%	1/4W	R759	1-249-429-11	CARBON	10K	5%	1/4W
R711	1-249-429-11	CARBON	10K	5%	1/4W	R763	1-249-429-11	CARBON	10K	5%	1/4W
						R764	1-247-807-31	CARBON	100	5%	1/4W
R714	1-249-429-11	CARBON	10K	5%	1/4W	R769	1-249-437-11	CARBON	47K	5%	1/4W
R718	1-247-807-31	CARBON	100	5%	1/4W						
R719	1-247-807-31	CARBON	100	5%	1/4W	R771	1-247-807-31	CARBON	100	5%	1/4W
R720	1-247-807-31	CARBON	100	5%	1/4W	R772	1-247-807-31	CARBON	100	5%	1/4W
R721	1-247-807-31	CARBON	100	5%	1/4W	R773	1-247-807-31	CARBON	100	5%	1/4W
						R774	1-247-807-31	CARBON	100	5%	1/4W
R722	1-247-807-31	CARBON	100	5%	1/4W (N555AV:AEP,UK,G,IT)	R790	1-249-429-11	CARBON	10K	5%	1/4W
R723	1-247-807-31	CARBON	100	5%	1/4W (N555AV:AEP,UK,G,IT)						
R724	1-247-807-31	CARBON	100	5%	1/4W	R791	1-249-437-11	CARBON	47K	5%	1/4W
R725	1-247-807-31	CARBON	100	5%	1/4W	R793	1-249-437-11	CARBON	47K	5%	1/4W
R726	1-247-807-31	CARBON	100	5%	1/4W	R794	1-247-807-31	CARBON	100	5%	1/4W
						R795	1-249-429-11	CARBON	10K	5%	1/4W
R727	1-247-807-31	CARBON	100	5%	1/4W	R796	1-249-429-11	CARBON	10K	5%	1/4W
R728	1-247-807-31	CARBON	100	5%	1/4W						
R729	1-247-807-31	CARBON	100	5%	1/4W	R801	1-249-417-11	CARBON	1K	5%	1/4W F
R730	1-247-807-31	CARBON	100	5%	1/4W	R802	1-249-417-11	CARBON	1K	5%	1/4W F
R731	1-247-807-31	CARBON	100	5%	1/4W	R803	1-249-437-11	CARBON	47K	5%	1/4W
						R804	1-249-416-11	CARBON	820	5%	1/4W F (D670AV/N555AV:AEP,UK,G,IT)
R732	1-247-807-31	CARBON	100	5%	1/4W	R804	1-249-419-11	CARBON	1.5K	5%	1/4W F (N555AV:E,AUS,PX,MX,AR)
R733	1-247-807-31	CARBON	100	5%	1/4W						
R734	1-247-807-31	CARBON	100	5%	1/4W	R805	1-247-897-11	CARBON	560K	5%	1/4W
R735	1-247-807-31	CARBON	100	5%	1/4W	R806	1-249-437-11	CARBON	47K	5%	1/4W
R736	1-247-807-31	CARBON	100	5%	1/4W	R807	1-249-417-11	CARBON	1K	5%	1/4W F
						R808	1-249-441-11	CARBON	100K	5%	1/4W
R737	1-247-807-31	CARBON	100	5%	1/4W	R809	1-247-815-91	CARBON	220	5%	1/4W
R738	1-249-427-11	CARBON	6.8K	5%	1/4W F						
R739	1-249-425-11	CARBON	4.7K	5%	1/4W F	R810	1-249-417-11	CARBON	1K	5%	1/4W F
R740	1-247-863-91	CARBON	22K	5%	1/4W (N555AV:AUS,PX)	R811	1-249-417-11	CARBON	1K	5%	1/4W F
						R821	1-249-424-11	CARBON	3.9K	5%	1/4W F
R740	1-249-425-11	CARBON	4.7K	5%	1/4W F (N555AV:E,MX,AR)	R822	1-247-887-00	CARBON	220K	5%	1/4W
						R825	1-249-421-11	CARBON	2.2K	5%	1/4W F
R740	1-249-427-11	CARBON	6.8K	5%	1/4W F (N555AV:G,IT)	R826	1-249-441-11	CARBON	100K	5%	1/4W
R740	1-249-429-11	CARBON	10K	5%	1/4W (N555AV:AEP,UK)	R827	1-249-421-11	CARBON	2.2K	5%	1/4W F
						R828	1-249-426-11	CARBON	5.6K	5%	1/4W
						R829	1-249-429-11	CARBON	10K	5%	1/4W

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R830	1-249-441-11	CARBON	100K	5%	1/4W	R945	1-249-417-11	CARBON	1K	5%	1/4W F
R831	1-249-437-11	CARBON	47K	5%	1/4W	R951	1-249-425-11	CARBON	4.7K	5%	1/4W F
R832	1-249-423-11	CARBON	3.3K	5%	1/4W	R952	1-249-425-11	CARBON	4.7K	5%	1/4W F
R833	1-249-429-11	CARBON	10K	5%	1/4W	R954	1-249-437-11	CARBON	47K	5%	1/4W
R835	1-249-417-11	CARBON	1K	5%	1/4W F	R955	1-249-441-11	CARBON	100K	5%	1/4W
R836	1-249-429-11	CARBON	10K	5%	1/4W	R956	1-247-895-91	CARBON	470K	5%	1/4W
R851	1-249-417-11	CARBON	1K	5%	1/4W F	R957	1-249-437-11	CARBON	47K	5%	1/4W
R852	1-249-417-11	CARBON	1K	5%	1/4W F	R958	1-249-429-11	CARBON	10K	5%	1/4W
R853	1-249-437-11	CARBON	47K	5%	1/4W	R959	1-249-411-11	CARBON	330	5%	1/4W
R854	1-249-416-11	CARBON	820	5%	1/4W F	R960	1-249-429-11	CARBON	10K	5%	1/4W
R854	1-249-419-11	CARBON	1.5K	5%	1/4W F	R961	1-249-421-11	CARBON	2.2K	5%	1/4W F
			(D670AV/N555AV:AEP,UK,G,IT)			R962	1-249-441-11	CARBON	100K	5%	1/4W
			(N555AV:E,AUS,PX,MX,AR)			R963	1-249-429-11	CARBON	10K	5%	1/4W
R855	1-247-897-11	CARBON	560K	5%	1/4W	R964	1-249-437-11	CARBON	47K	5%	1/4W
R856	1-249-437-11	CARBON	47K	5%	1/4W	R965	1-249-441-11	CARBON	100K	5%	1/4W
R857	1-249-417-11	CARBON	1K	5%	1/4W F	R967	1-249-431-11	CARBON	15K	5%	1/4W
R858	1-249-441-11	CARBON	100K	5%	1/4W	R973	1-247-903-00	CARBON	1M	5%	1/4W
R859	1-247-815-91	CARBON	220	5%	1/4W	R1001	1-249-421-11	CARBON	2.2K	5%	1/4W F
R870	1-249-441-11	CARBON	100K	5%	1/4W	R1002	1-247-815-91	CARBON	220	5%	1/4W
R871	1-249-424-11	CARBON	3.9K	5%	1/4W F	R1003	1-249-417-11	CARBON	1K	5%	1/4W F
R872	1-247-887-00	CARBON	220K	5%	1/4W	R1004	1-249-417-11	CARBON	1K	5%	1/4W F
R878	1-249-426-11	CARBON	5.6K	5%	1/4W	△R1005	1-219-122-91	FUSIBLE	0.33	5%	1/4W F
R879	1-249-429-11	CARBON	10K	5%	1/4W	R1020	1-247-815-91	CARBON	220	5%	1/4W
R901	1-249-425-11	CARBON	4.7K	5%	1/4W F	R1021	1-247-815-91	CARBON	220	5%	1/4W
R902	1-249-425-11	CARBON	4.7K	5%	1/4W F	R1022	1-249-425-11	CARBON	4.7K	5%	1/4W F
R903	1-249-437-11	CARBON	47K	5%	1/4W	R1023	1-249-417-11	CARBON	1K	5%	1/4W F
R904	1-249-437-11	CARBON	47K	5%	1/4W	R1101	1-247-887-00	CARBON	220K	5%	1/4W
R905	1-249-441-11	CARBON	100K	5%	1/4W	R1102	1-247-887-00	CARBON	220K	5%	1/4W
R906	1-247-895-91	CARBON	470K	5%	1/4W	R1103	1-249-417-11	CARBON	1K	5%	1/4W F
R907	1-249-437-11	CARBON	47K	5%	1/4W	R1104	1-249-432-11	CARBON	18K	5%	1/4W
R908	1-249-429-11	CARBON	10K	5%	1/4W	R1105	1-249-417-11	CARBON	1K	5%	1/4W F
R909	1-249-411-11	CARBON	330	5%	1/4W	R1115	1-249-441-11	CARBON	100K	5%	1/4W
R910	1-249-429-11	CARBON	10K	5%	1/4W	R1121	1-249-436-11	CARBON	39K	5%	1/4W
R911	1-249-421-11	CARBON	2.2K	5%	1/4W F	R1122	1-249-436-11	CARBON	39K	5%	1/4W
R912	1-249-441-11	CARBON	100K	5%	1/4W	R1123	1-249-417-11	CARBON	1K	5%	1/4W F
R913	1-249-429-11	CARBON	10K	5%	1/4W	R1124	1-247-903-00	CARBON	1M	5%	1/4W
R914	1-249-437-11	CARBON	47K	5%	1/4W	R1125	1-249-411-11	CARBON	330	5%	1/4W
R915	1-249-441-11	CARBON	100K	5%	1/4W	R1126	1-249-417-11	CARBON	1K	5%	1/4W F
R917	1-249-431-11	CARBON	15K	5%	1/4W	R1127	1-249-417-11	CARBON	1K	5%	1/4W F
R922	1-247-903-00	CARBON	1M	5%	1/4W	R1128	1-249-417-11	CARBON	1K	5%	1/4W F
R923	1-247-903-00	CARBON	1M	5%	1/4W	R1130	1-249-425-11	CARBON	4.7K	5%	1/4W F
R930	1-247-863-91	CARBON	22K	5%	1/4W	R1131	1-249-425-11	CARBON	4.7K	5%	1/4W F
R931	1-247-863-91	CARBON	22K	5%	1/4W	R1132	1-249-441-11	CARBON	100K	5%	1/4W
R932	1-249-429-11	CARBON	10K	5%	1/4W	R1133	1-249-425-11	CARBON	4.7K	5%	1/4W F
R933	1-247-891-00	CARBON	330K	5%	1/4W	R1134	1-249-425-11	CARBON	4.7K	5%	1/4W F
R934	1-249-441-11	CARBON	100K	5%	1/4W	R1135	1-249-441-11	CARBON	100K	5%	1/4W
R940	1-249-429-11	CARBON	10K	5%	1/4W	R1136	1-249-437-11	CARBON	47K	5%	1/4W
R941	1-249-429-11	CARBON	10K	5%	1/4W	R1137	1-249-441-11	CARBON	100K	5%	1/4W
R942	1-249-429-11	CARBON	10K	5%	1/4W	R1138	1-249-441-11	CARBON	100K	5%	1/4W
R943	1-249-417-11	CARBON	1K	5%	1/4W F	R1139	1-249-417-11	CARBON	1K	5%	1/4W F
R944	1-249-417-11	CARBON	1K	5%	1/4W F	R1140	1-249-417-11	CARBON	1K	5%	1/4W F

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

MAIN

MD

Ref. No.	Part No.	Description	Remark			
R1141	1-249-417-11	CARBON	1K	5%	1/4W	F
R1142	1-249-417-11	CARBON	1K	5%	1/4W	F
R1143	1-249-417-11	CARBON	1K	5%	1/4W	F
R1144	1-249-417-11	CARBON	1K	5%	1/4W	F
R1145	1-249-429-11	CARBON	10K	5%	1/4W	
R1146	1-249-429-11	CARBON	10K	5%	1/4W	
R1150	1-249-441-11	CARBON	100K	5%	1/4W	
R1151	1-249-417-11	CARBON	1K	5%	1/4W	F
< VARIABLE RESISTOR >						
RV301	1-238-600-11	RES, ADJ, CARBON 10K				
RV351	1-238-600-11	RES, ADJ, CARBON 10K				
< VIBRATOR >						
X81	1-579-900-21	VIBRATOR, CRYSTAL (4,332MHz)				
		(N555AV:AEP,UK,G,IT)				
X701	1-579-175-11	VIBRATOR, CERAMIC (10MHz)				
X702	1-567-098-41	VIBRATOR, CRYSTAL (32kHz)				
X1101	1-579-125-11	VIBRATOR, CERAMIC (320kHz)				

*	A-2007-435-A	MD BOARD, COMPLETE				

		(including MOTOR board)				
		MOTOR BOARD				
< CAPACITOR >						
C301	1-162-289-31	CERAMIC	390PF	10%	50V	
C302	1-126-968-11	ELECT	100uF	20%	6.3V	
C303	1-162-282-31	CERAMIC	100PF	10%	50V	
C304	1-130-483-00	MYLAR	0.01uF	5%	50V	
C305	1-107-715-11	ELECT	22uF	20%	16V	
C311	1-162-289-31	CERAMIC	390PF	10%	50V	
C313	1-162-282-31	CERAMIC	100PF	10%	50V	
C314	1-130-487-00	MYLAR	0.022uF	5%	50V	
C315	1-126-233-11	ELECT	22uF	20%	50V	
C331	1-137-427-11	FILM	120PF	5%	50V	
C332	1-162-288-31	CERAMIC	330PF	10%	50V	
C333	1-162-209-31	CERAMIC	27PF	5%	50V	
C401	1-162-289-31	CERAMIC	390PF	10%	50V	
C402	1-126-968-11	ELECT	100uF	20%	6.3V	
C403	1-162-282-31	CERAMIC	100PF	10%	50V	
C404	1-130-483-00	MYLAR	0.01uF	5%	50V	
C405	1-107-715-11	ELECT	22uF	20%	16V	
C411	1-162-289-31	CERAMIC	390PF	10%	50V	
C413	1-162-282-31	CERAMIC	100PF	10%	50V	
C414	1-130-487-00	MYLAR	0.022uF	5%	50V	
C415	1-126-233-11	ELECT	22uF	20%	50V	
C431	1-137-427-11	FILM	120PF	5%	50V	
C432	1-162-288-31	CERAMIC	330PF	10%	50V	

Ref. No.	Part No.	Description	Remark			
C433	1-162-209-31	CERAMIC	27PF	5%	50V	
C601	1-126-157-11	ELECT	10uF	20%	16V	
C602	1-126-157-11	ELECT	10uF	20%	16V	
C611	1-124-907-11	ELECT	10uF	20%	50V	
C612	1-124-907-11	ELECT	10uF	20%	50V	
C621	1-137-150-11	FILM	0.01uF	5%	100V	
C622	1-126-961-11	ELECT	2.2uF	20%	50V	
C623	1-136-155-00	FILM	0.015uF	5%	50V	
C624	1-130-481-00	MYLAR	0.0068uF	5%	50V	
C625	1-130-481-00	MYLAR	0.0068uF	5%	50V	
C627	1-124-903-11	ELECT	1uF	20%	50V	
C628	1-136-153-00	FILM	0.01uF	5%	50V	
C642	1-104-664-11	ELECT	47uF	20%	16V	
C651	1-161-494-00	CERAMIC	0.022uF		25V	
< CONNECTOR >						
* CN601	1-568-864-11	SOCKET, CONNECTOR 21P				
* CN602	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P				
* CN651	1-564-521-11	PLUG, CONNECTOR 6P				
< IC >						
IC601	8-759-710-59	IC NJM4580D-D				
IC602	8-759-143-54	IC uPC1330HA				
IC611	8-759-710-59	IC NJM4580D-D				
< COIL >						
L331	1-410-780-11	INDUCTOR 27mH				
L431	1-410-780-11	INDUCTOR 27mH				
< MOTOR >						
M2	X-3369-111-1	MOTOR ASSY (TRIGGER)				
< TRANSISTOR >						
Q621	8-729-142-46	TRANSISTOR 2SC2001-LK				
Q622	8-729-142-46	TRANSISTOR 2SC2001-LK				
Q623	8-729-030-18	TRANSISTOR 2SD2525				
Q651	8-729-900-65	TRANSISTOR DTA144ES				
< RESISTOR >						
R301	1-247-881-00	CARBON	120K	5%	1/4W	
R302	1-249-409-11	CARBON	220	5%	1/4W	F
R303	1-249-433-11	CARBON	22K	5%	1/4W	
R304	1-247-889-00	CARBON	270K	5%	1/4W	
R305	1-247-858-11	CARBON	13K	5%	1/4W	
R311	1-247-881-00	CARBON	120K	5%	1/4W	
R312	1-247-807-31	CARBON	100	5%	1/4W	
R314	1-247-882-11	CARBON	130K	5%	1/4W	
R315	1-247-850-11	CARBON	6.2K	5%	1/4W	
R331	1-249-430-11	CARBON	12K	5%	1/4W	
R401	1-247-881-00	CARBON	120K	5%	1/4W	

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
R402	1-249-409-11	CARBON	220	5%	1/4W	F	C911	1-126-963-11	ELECT	4.7uF	20%	50V	
R403	1-249-433-11	CARBON	22K	5%	1/4W		C931	1-126-964-11	ELECT	10uF	20%	50V	
R404	1-247-889-00	CARBON	270K	5%	1/4W		C941	1-126-964-11	ELECT	10uF	20%	50V	
R405	1-247-858-11	CARBON	13K	5%	1/4W				< IC >				
R411	1-247-881-00	CARBON	120K	5%	1/4W		IC901	8-759-634-51	IC M5218AP				
R412	1-247-807-31	CARBON	100	5%	1/4W				< JACK >				
R414	1-247-882-11	CARBON	130K	5%	1/4W		J901	1-573-151-11	JACK, LARGE TYPE (MIC)				
R415	1-247-850-11	CARBON	6.2K	5%	1/4W				< RESISTOR >				
R431	1-249-430-11	CARBON	12K	5%	1/4W		R900	1-249-417-11	CARBON	1K	5%	1/4W F	
R601	1-249-409-11	CARBON	220	5%	1/4W	F	R901	1-249-429-11	CARBON	10K	5%	1/4W	
R602	1-249-409-11	CARBON	220	5%	1/4W	F	R902	1-249-417-11	CARBON	1K	5%	1/4W F	
R608	1-249-409-11	CARBON	220	5%	1/4W	F	R903	1-249-441-11	CARBON	100K	5%	1/4W	
R609	1-249-433-11	CARBON	22K	5%	1/4W		R904	1-249-417-11	CARBON	1K	5%	1/4W F	
R611	1-249-409-11	CARBON	220	5%	1/4W	F	R905	1-247-863-91	CARBON	22K	5%	1/4W	
R612	1-249-409-11	CARBON	220	5%	1/4W	F	R906	1-247-839-11	CARBON	2.2K	5%	1/4W	
△ R621	1-212-851-00	FUSIBLE	5.6	5%	1/4W	F	R907	1-249-436-11	CARBON	39K	5%	1/4W F	
△ R622	1-212-851-00	FUSIBLE	5.6	5%	1/4W	F	R931	1-247-887-00	CARBON	220K	5%	1/4W	
R623	1-249-432-11	CARBON	18K	5%	1/4W				< VARIABLE RESISTOR >				
R624	1-249-432-11	CARBON	18K	5%	1/4W		RV901	1-223-983-11	RES, VAR, CARBON 50K (MIC LEVEL)				
R625	1-249-429-11	CARBON	10K	5%	1/4W		*****						
R651	1-247-856-00	CARBON	11K	5%	1/4W		*	A-4389-610-A	PANEL BOARD, COMPLETE (D670AV)				
R652	1-247-856-00	CARBON	11K	5%	1/4W				*****				
R653	1-249-441-11	CARBON	100K	5%	1/4W		*	A-4389-629-A	PANEL BOARD, COMPLETE				
< VARIABLE RESISTOR >									*****				
RV301	1-238-598-11	RES, ADJ, CARBON 2.2K							(N555AV:AEP,UK,G,IT)				
RV311	1-238-598-11	RES, ADJ, CARBON 2.2K					*	A-4389-619-A	PANEL BOARD, COMPLETE				
RV341	1-238-551-11	RES, ADJ, CARBON 220K							*****				
RV401	1-238-598-11	RES, ADJ, CARBON 2.2K							(N555AV:E,AUS,PX,MX,AR)				
RV411	1-238-598-11	RES, ADJ, CARBON 2.2K											
RV441	1-238-551-11	RES, ADJ, CARBON 220K											
RV651	1-238-599-11	RES, ADJ, CARBON 4.7K											
RV652	1-238-599-11	RES, ADJ, CARBON 4.7K											
< TRANSFORMER >													
T621	1-423-980-11	TRANSFORMER, BIAS OSCILLATION					4-971-014-11	HOLDER, FL TUBE					
*****									< CAPACITOR >				
*	1-659-414-11	MIC BOARD (N555AV:E,AUS,PX,MX,AR)					C501	1-126-160-11	ELECT	1uF	20%	50V	
*****							C502	1-164-159-21	CERAMIC	0.1uF		50V	
< CAPACITOR >							C503	1-126-160-11	ELECT	1uF	20%	50V	
C901	1-162-306-11	CERAMIC	0.01uF	30%	16V		C504	1-164-159-21	CERAMIC	0.1uF		50V	
C903	1-162-294-31	CERAMIC	0.001uF	10%	50V		C505	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C904	1-124-257-00	ELECT	2.2uF	20%	50V		C506	1-124-584-00	ELECT	100uF	20%	10V	
C905	1-162-215-31	CERAMIC	47PF	5%	50V		C511	1-164-159-21	CERAMIC	0.1uF		50V	
C906	1-162-290-31	CERAMIC	470PF	10%	50V		C512	1-164-159-21	CERAMIC	0.1uF		50V	
C907	1-136-160-00	FILM	0.039uF	5%	50V		C513	1-164-159-21	CERAMIC	0.1uF		50V	
C908	1-124-257-00	ELECT	2.2uF	20%	50V		C514	1-164-159-21	CERAMIC	0.1uF		50V	
C909	1-162-215-31	CERAMIC	47PF	5%	50V		C515	1-126-793-11	ELECT	33uF	20%	35V	
C910	1-162-286-21	CERAMIC	220PF	10%	50V		C518	1-126-157-11	ELECT	10uF	20%	16V	

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

PANEL

Ref. No.	Part No.	Description	Remark		
C519	1-164-159-21	CERAMIC	0.1uF		50V
C520	1-164-159-21	CERAMIC	0.1uF		50V
C521	1-164-159-21	CERAMIC	0.1uF		50V
C522	1-164-159-21	CERAMIC	0.1uF		50V
C523	1-126-177-11	ELECT	100uF	20%	10V
C524	1-126-177-11	ELECT	100uF	20%	10V
C545	1-162-306-11	CERAMIC	0.01uF	30%	16V
C546	1-162-306-11	CERAMIC	0.01uF	30%	16V
C547	1-126-157-11	ELECT	10uF	20%	16V
C549	1-126-177-11	ELECT	100uF	20%	10V
C601	1-126-157-11	ELECT	10uF	20%	16V
C3002	1-164-159-21	CERAMIC	0.1uF		50V
C3010	1-162-294-31	CERAMIC	0.001uF	10%	50V
C3034	1-124-584-00	ELECT	100uF	20%	10V
C3047	1-164-159-21	CERAMIC	0.1uF		50V
C3048	1-126-177-11	ELECT	100uF	20%	10V
C3049	1-164-159-21	CERAMIC	0.1uF		50V
C3201	1-126-163-11	ELECT	4.7uF	20%	50V
C3202	1-136-169-00	FILM	0.22uF	5%	50V
C3203	1-124-464-11	ELECT	0.22uF	20%	50V
C3211	1-126-160-11	ELECT	1uF	20%	50V
C3212	1-136-155-00	FILM	0.015uF	5%	50V
C3213	1-124-464-11	ELECT	0.22uF	20%	50V
C3221	1-136-167-00	FILM	0.15uF	5%	50V
C3222	1-162-302-11	CERAMIC	0.0022uF	30%	16V
C3223	1-124-464-11	ELECT	0.22uF	20%	50V
C3232	1-162-293-31	CERAMIC	820PF	10%	50V
C3233	1-124-464-11	ELECT	0.22uF	20%	50V
< CONNECTOR >					
CN501	1-568-802-11	SOCKET, CONNECTOR 19P	(D670AV/N555AV:AEP,UK,G,IT)		
CN501	1-568-838-11	SOCKET, CONNECTOR 21P	(N555AV:E,AUS,PX,MX,AR)		
< DIODE >					
D511	8-719-987-63	DIODE 1N4148M			
D512	8-719-987-63	DIODE 1N4148M			
D601	8-719-058-03	DIODE SEL5423E-TP15 (TUNER/BAND)			
D602	8-719-058-03	DIODE SEL5423E-TP15 (TUNER/BAND)			
D611	8-719-058-04	DIODE SEL5223S-TP15 (EFFECT)			
D612	8-719-058-04	DIODE SEL5223S-TP15 (ROCK, GAME)			
D613	8-719-058-04	DIODE SEL5223S-TP15 (POPS, DANCE)			
D614	8-719-058-04	DIODE SEL5223S-TP15 (JAZZ, STADIUM)			
D615	8-719-058-04	DIODE SEL5223S-TP15 (CLASSIC, STUDIO)			
D616	8-719-058-04	DIODE SEL5223S-TP15 (SALSA, CHURCH)			
D617	8-719-058-04	DIODE SEL5223S-TP15 (P FILE)			
D618	8-719-058-04	DIODE SEL5223S-TP15 (MORE 5)			
D619	8-719-057-09	DIODE LNJ801LPDJA (ENTER/NEXT)			
D620	8-719-058-04	DIODE SEL5223S-TP15 (SELECT 5)			
D623	8-719-058-04	DIODE SEL5223S-TP15			
(ON/OFF, DOLBY SURROUND)					

Ref. No.	Part No.	Description	Remark
D624	8-719-058-04	DIODE SEL5223S-TP15 (HALL)	
D625	8-719-058-04	DIODE SEL5223S-TP15 (THEATER)	
D626	8-719-058-04	DIODE SEL5223S-TP15 (LIVE)	
D627	8-719-058-04	DIODE SEL5223S-TP15 (SUPER WOOFER)	(N555AV)
D3026	8-719-987-63	DIODE 1N4148M	
D3027	8-719-987-63	DIODE 1N4148M	
D3028	8-719-987-63	DIODE 1N4148M	
D3029	8-719-987-63	DIODE 1N4148M	
D3201	8-719-987-63	DIODE 1N4148M	
D3211	8-719-987-63	DIODE 1N4148M	
D3221	8-719-987-63	DIODE 1N4148M	
D3231	8-719-987-63	DIODE 1N4148M	
D3241	8-719-987-63	DIODE 1N4148M	
D3242	8-719-987-63	DIODE 1N4148M	
		< FLUORESCENT INDICATOR >	
FL501	1-517-490-21	INDICATOR TUBU, FLUORESCENT	
		< IC >	
IC501	8-759-375-43	IC ASD0204-012-3BA	
IC502	8-759-339-53	IC GP1U28XB	
IC503	8-759-140-53	IC uPD4053BC	
IC504	8-759-916-14	IC SN74HC04AN	
		< COIL >	
L511	1-410-521-11	INDUCTOR 100uH	
		< TRANSISTOR >	
Q601	8-729-422-57	TRANSISTOR UN4111	
Q603	8-729-422-57	TRANSISTOR UN4111	
Q605	8-729-422-57	TRANSISTOR UN4111	
Q611	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q612	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q621	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q622	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q623	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q624	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q625	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q627	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q628	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q629	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q630	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q631	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q632	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q633	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q634	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q636	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q3141	8-729-900-80	TRANSISTOR DTC114ES	
Q3151	8-729-900-80	TRANSISTOR DTC114ES	
Q3152	8-729-903-02	TRANSISTOR DTA143XS	

PANEL

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
< RESISTOR >													
R501	1-249-419-11	CARBON	1.5K	5%	1/4W	F	R612	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R502	1-249-401-11	CARBON	47	5%	1/4W	F	R613	1-249-429-11	CARBON	10K	5%	1/4W	
R503	1-249-403-11	CARBON	68	5%	1/4W	F	R614	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R504	1-247-807-31	CARBON	100	5%	1/4W		R633	1-249-407-31	CARBON	150	5%	1/4W	
R505	1-249-407-11	CARBON	150	5%	1/4W	F	R634	1-249-407-31	CARBON	150	5%	1/4W	
R506	1-249-407-11	CARBON	150	5%	1/4W	F	R635	1-249-407-31	CARBON	150	5%	1/4W	
R507	1-247-815-91	CARBON	220	5%	1/4W		R636	1-249-407-31	CARBON	150	5%	1/4W	
R508	1-249-411-11	CARBON	330	5%	1/4W		R637	1-249-407-31	CARBON	150	5%	1/4W	
R509	1-249-413-11	CARBON	470	5%	1/4W	F	R639	1-249-407-31	CARBON	150	5%	1/4W	
R510	1-249-415-11	CARBON	680	5%	1/4W	F	R640	1-249-407-31	CARBON	150	5%	1/4W	
R511	1-249-417-11	CARBON	1K	5%	1/4W	F	R641	1-249-407-11	CARBON	150	5%	1/4W	F
R512	1-249-419-11	CARBON	1.5K	5%	1/4W	F	R642	1-247-807-31	CARBON	100	5%	1/4W	
R513	1-249-421-11	CARBON	2.2K	5%	1/4W	F	R643	1-247-807-31	CARBON	100	5%	1/4W	
R514	1-249-423-11	CARBON	3.3K	5%	1/4W	F	R644	1-249-407-11	CARBON	150	5%	1/4W	F
R515	1-249-427-11	CARBON	6.8K	5%	1/4W	F	R645	1-249-407-11	CARBON	150	5%	1/4W	F
R516	1-249-431-11	CARBON	15K	5%	1/4W	F	R646	1-249-407-11	CARBON	150	5%	1/4W	F
R517	1-249-419-11	CARBON	1.5K	5%	1/4W	F	R648	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R518	1-249-401-11	CARBON	47	5%	1/4W	F	R649	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R519	1-249-403-11	CARBON	68	5%	1/4W	F	R650	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R520	1-247-807-31	CARBON	100	5%	1/4W		R651	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R521	1-249-407-11	CARBON	150	5%	1/4W	F	R652	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R522	1-249-407-11	CARBON	150	5%	1/4W	F	R654	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R523	1-247-815-91	CARBON	220	5%	1/4W		R655	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R524	1-249-411-11	CARBON	330	5%	1/4W		R656	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R525	1-249-413-11	CARBON	470	5%	1/4W	F	R657	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R526	1-249-415-11	CARBON	680	5%	1/4W	F	R658	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R527	1-249-419-11	CARBON	1.5K	5%	1/4W	F	R659	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R528	1-249-401-11	CARBON	47	5%	1/4W	F	R660	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R529	1-249-403-11	CARBON	68	5%	1/4W	F	R661	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R530	1-247-807-31	CARBON	100	5%	1/4W		R698	1-249-393-11	CARBON	10	5%	1/4W	F
R531	1-249-407-11	CARBON	150	5%	1/4W	F	R700	1-249-393-11	CARBON	10	5%	1/4W	F
R532	1-249-407-11	CARBON	150	5%	1/4W	F	R875	1-247-815-91	CARBON	220	5%	1/4W	
R548	1-249-419-11	CARBON	1.5K	5%	1/4W	F	(N555AV:E,AUS,PX,MX,AR)						
R549	1-247-807-31	CARBON	100	5%	1/4W		R3011	1-247-903-00	CARBON	1M	5%	1/4W	
R550	1-249-407-11	CARBON	150	5%	1/4W	F	R3015	1-249-429-11	CARBON	10K	5%	1/4W	
R551	1-249-407-11	CARBON	150	5%	1/4W	F	R3019	1-249-429-11	CARBON	10K	5%	1/4W	
R552	1-247-815-91	CARBON	220	5%	1/4W		R3020	1-249-429-11	CARBON	10K	5%	1/4W	
R553	1-249-429-11	CARBON	10K	5%	1/4W		R3021	1-249-429-11	CARBON	10K	5%	1/4W	
R554	1-249-441-11	CARBON	100K	5%	1/4W		R3022	1-249-429-11	CARBON	10K	5%	1/4W	
R564	1-249-419-11	CARBON	1.5K	5%	1/4W	F	R3023	1-249-429-11	CARBON	10K	5%	1/4W	
R565	1-247-807-31	CARBON	100	5%	1/4W		R3024	1-249-429-11	CARBON	10K	5%	1/4W	
R566	1-249-407-11	CARBON	150	5%	1/4W	F	R3036	1-249-429-11	CARBON	10K	5%	1/4W	
R567	1-249-407-11	CARBON	150	5%	1/4W	F	R3037	1-249-429-11	CARBON	10K	5%	1/4W	
R586	1-247-815-91	CARBON	220	5%	1/4W		R3038	1-249-429-11	CARBON	10K	5%	1/4W	
R588	1-247-815-91	CARBON	220	5%	1/4W		R3041	1-249-429-11	CARBON	10K	5%	1/4W	
R591	1-249-403-11	CARBON	68	5%	1/4W	F	R3042	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R592	1-249-401-11	CARBON	47	5%	1/4W	F	R3049	1-249-429-11	CARBON	10K	5%	1/4W	
R593	1-249-403-11	CARBON	68	5%	1/4W	F	R3050	1-249-429-11	CARBON	10K	5%	1/4W	
R594	1-249-401-11	CARBON	47	5%	1/4W	F	R3051	1-249-429-11	CARBON	10K	5%	1/4W	
R611	1-249-429-11	CARBON	10K	5%	1/4W		R3052	1-249-429-11	CARBON	10K	5%	1/4W	
							R3053	1-249-429-11	CARBON	10K	5%	1/4W	

PANEL

POWER AMP

Ref. No.	Part No.	Description	Remark
R3087	1-249-441-11	CARBON 100K 5%	1/4W
R3110	1-247-807-31	CARBON 100 5%	1/4W
R3115	1-247-807-31	CARBON 100 5%	1/4W
R3122	1-247-807-31	CARBON 100 5%	1/4W
R3123	1-247-807-31	CARBON 100 5%	1/4W
R3124	1-247-807-31	CARBON 100 5%	1/4W
R3138	1-247-807-31	CARBON 100 5%	1/4W
R3201	1-249-411-11	CARBON 330 5%	1/4W
R3202	1-249-437-11	CARBON 47K 5%	1/4W
R3203	1-247-895-91	CARBON 470K 5%	1/4W
R3204	1-247-899-11	CARBON 680K 5%	1/4W
R3211	1-249-411-11	CARBON 330 5%	1/4W
R3212	1-249-437-11	CARBON 47K 5%	1/4W
R3213	1-247-895-91	CARBON 470K 5%	1/4W
R3214	1-247-899-11	CARBON 680K 5%	1/4W
R3221	1-249-411-11	CARBON 330 5%	1/4W
R3222	1-249-437-11	CARBON 47K 5%	1/4W
R3223	1-247-895-91	CARBON 470K 5%	1/4W
R3224	1-247-899-11	CARBON 680K 5%	1/4W
R3231	1-247-807-31	CARBON 100 5%	1/4W
R3232	1-249-437-11	CARBON 47K 5%	1/4W
R3233	1-247-895-91	CARBON 470K 5%	1/4W
R3234	1-247-899-11	CARBON 680K 5%	1/4W
R3241	1-249-421-11	CARBON 2.2K 5%	1/4W F
R3242	1-249-393-11	CARBON 10 5%	1/4W F
< SWITCH >			
S501	1-554-303-21	SWITCH, TACTILE (SYSTEM POWER)	
S502	1-554-303-21	SWITCH, TACTILE (SLEEP)	
S503	1-554-303-21	SWITCH, TACTILE (CLOCK SET)	
S504	1-554-303-21	SWITCH, TACTILE (EFFECT)	
S506	1-554-303-21	SWITCH, TACTILE (KARAOKEPON/MPX) (N555AV:E,AUS,PX,MX,AR)	
S507	1-554-303-21	SWITCH, TACTILE (TUNING MODE)	
S508	1-554-303-21	SWITCH, TACTILE (>)	
S509	1-554-303-21	SWITCH, TACTILE (^)	
S510	1-554-303-21	SWITCH, TACTILE (<)	
S511	1-554-303-21	SWITCH, TACTILE (v)	
S512	1-554-303-21	SWITCH, TACTILE (LIVE)	
S513	1-554-303-21	SWITCH, TACTILE (THEATER)	
S514	1-554-303-21	SWITCH, TACTILE (HALL)	
S515	1-554-303-21	SWITCH, TACTILE (ON/OFF, DOLBY SURROUND)	
S516	1-554-303-21	SWITCH, TACTILE (CENTER MODE, SURROUND)	
S517	1-554-303-21	SWITCH, TACTILE (ENTER/NEXT)	
S518	1-554-303-21	SWITCH, TACTILE (DISPLAY/DEMO)	
S519	1-554-303-21	SWITCH, TACTILE (REC)	
S520	1-554-303-21	SWITCH, TACTILE (DAILY 2)	
S521	1-554-303-21	SWITCH, TACTILE (DAILY 1)	
S522	1-554-303-21	SWITCH, TACTILE (TIMER SET)	
S525	1-554-303-21	SWITCH, TACTILE (FUNCTION)	
S526	1-554-303-21	SWITCH, TACTILE (EQ MEMORY)	
S527	1-554-303-21	SWITCH, TACTILE (FILE 1)	

Ref. No.	Part No.	Description	Remark
S528	1-554-303-21	SWITCH, TACTILE (FILE 2)	
S529	1-554-303-21	SWITCH, TACTILE (FILE 3)	
S530	1-554-303-21	SWITCH, TACTILE (FILE 4)	
S531	1-554-303-21	SWITCH, TACTILE (FILE SELECT)	
S532	1-554-303-21	SWITCH, TACTILE (FILE 5)	
S549	1-554-303-21	SWITCH, TACTILE (SUPER WOOFER)(N555AV)	
S551	1-554-303-21	SWITCH, TACTILE (DBFB)	
S552	1-554-303-21	SWITCH, TACTILE (TUNER/BAND)	
S553	1-554-303-21	SWITCH, TACTILE (PTY)(N555AV:AEP,UK,G,IT)	
S565	1-554-303-21	SWITCH, TACTILE (STEREO/MONO)	
S566	1-554-303-21	SWITCH, TACTILE (TUNER MEMORY)	
S567	1-554-303-21	SWITCH, TACTILE (+ TUNING)	
S568	1-554-303-21	SWITCH, TACTILE (- TUNING)	
S579	1-467-869-11	ENCODER, ROTARY (VOLUME)	
< VIBRATOR >			
X3001	1-579-233-11	VIBRATOR, CERAMIC (4MHz)	

*	A-4389-604-A	POWER AMP BOARD, COMPLETE (D670AV)	

*	A-4389-617-A	POWER AMP BOARD, COMPLETE	

		(N555AV:E,AUS,PX,MX,AR)	
*	A-4389-625-A	POWER AMP BOARD, COMPLETE	

		(N555AV:AEP,UK,G,IT)	
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
< CAPACITOR >			
C1201	1-126-963-11	ELECT 4.7uF 20%	50V
C1202	1-162-294-31	CERAMIC 1000PF 10%	50V
C1203	1-162-286-21	CERAMIC 220PF 10%	50V
C1204	1-126-967-11	ELECT 47uF 20%	50V
C1205	1-126-967-11	ELECT 47uF 20%	50V
C1206	1-126-968-11	ELECT 100uF 20%	50V
C1207	1-162-306-11	CERAMIC 0.01uF 5%	50V
C1208	1-126-965-11	ELECT 22uF 20%	50V
C1209	1-162-306-11	CERAMIC 0.01uF 5%	50V
C1210	1-136-495-11	FILM 0.068uF 5%	50V
C1211	1-136-495-11	FILM 0.068uF 5%	50V
C1212	1-126-964-11	ELECT 10uF 20%	50V
C1220	1-126-933-11	ELECT 100uF 20%	10V
C1226	1-161-494-00	CERAMIC 0.022uF 30%	50V
(N555AV:AEP,UK,G,IT)			
C1231	1-126-923-11	ELECT 220uF 20%	10V
C1232	1-126-923-11	ELECT 220uF 20%	10V
C1233	1-124-925-11	ELECT 2.2uF 20%	100V
C1234	1-126-933-11	ELECT 100uF 20%	10V

POWER AMP

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POWER AMP

Ref. No.	Part No.	Description	Remark
D1210	8-719-987-63	DIODE 1N4148M	
D1211	8-719-987-63	DIODE 1N4148M	
D1212	8-719-987-63	DIODE 1N4148M	
D1213	8-719-987-63	DIODE 1N4148M	
D1231	8-719-987-63	DIODE 1N4148M	
D1232	8-719-987-63	DIODE 1N4148M	
D1240	8-719-987-63	DIODE 1N4148M	
D1250	8-719-302-38	DIODE RBV-602-01	
D1251	8-719-987-63	DIODE 1N4148M	
D1301	8-719-987-63	DIODE 1N4148M	
D1304	8-719-987-63	DIODE 1N4148M	
D1306	8-719-987-63	DIODE 1N4148M	
D1307	8-719-987-63	DIODE 1N4148M	
D1308	8-719-987-63	DIODE 1N4148M	
D1341	8-719-987-63	DIODE 1N4148M	
D1351	8-719-987-63	DIODE 1N4148M	
D1406	8-719-987-63	DIODE 1N4148M (N555AV)	
D1407	8-719-987-63	DIODE 1N4148M (N555AV)	
D1408	8-719-987-63	DIODE 1N4148M (N555AV)	
D1411	8-719-987-63	DIODE 1N4148M (N555AV)	
D1412	8-719-987-63	DIODE 1N4148M (N555AV)	
D1431	8-719-987-63	DIODE 1N4148M	
D1441	8-719-987-63	DIODE 1N4148M (N555AV)	
<GROUND TERMINAL>			
* EPT1201	1-537-738-21	GROUND, TERMINAL	
< IC >			
IC1201	8-749-900-24	IC STK-4162MK2 (N555AV:AEP,UK,G,IT)	
IC1201	8-749-900-34	IC STK-4182MK2 (D670AV)	
IC1201	8-749-941-52	IC STK-4152II (N555AV:E,AUS,PX,MX,AR)	
IC1202	8-759-111-68	IC UPC1237HA	
IC1301	8-749-900-24	IC STK-4162MK2 (N555AV:AEP,UK,G,IT)	
IC1301	8-749-900-34	IC STK-4182MK2 (D670AV)	
IC1301	8-749-941-52	IC STK-4152II (N555AV:E,AUS,PX,MX,AR)	
IC1402	8-759-634-51	IC M5218AP (N555AV)	
IC1403	8-759-634-51	IC M5218AP (N555AV)	
< COIL >			
L1201	1-420-872-00	COIL, AIR-CORE (N555AV:AEP,UK,G,IT)	
L1251	1-420-872-00	COIL, AIR-CORE (N555AV:AEP,UK,G,IT)	
L1301	1-420-872-00	COIL, AIR-CORE (N555AV:AEP,UK,G,IT)	
L1351	1-420-872-00	COIL, AIR-CORE (N555AV:AEP,UK,G,IT)	
L1401	1-420-872-00	COIL, AIR-CORE (N555AV:AEP,UK,G,IT)	
L1451	1-420-872-00	COIL, AIR-CORE (N555AV:AEP,UK,G,IT)	
< TRANSISTOR >			
Q1201	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q1206	8-729-422-57	TRANSISTOR UN4111	
Q1207	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q1208	8-729-900-80	TRANSISTOR DTC114ES	

Ref. No.	Part No.	Description	Remark
Q1230	8-729-119-78	TRANSISTOR 2SC403SP-51	
Q1240	8-729-900-63	TRANSISTOR DTA124ES	
Q1251	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q1301	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q1307	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q1351	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q1404	8-729-141-26	TRANSISTOR 2SC3622A-LK (N555AV)	
Q1405	8-729-141-26	TRANSISTOR 2SC3622A-LK (N555AV)	
Q1407	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA (N555AV)	
< RESISTOR >			
R1201	1-249-417-11	CARBON 1K 5% 1/4W	F
R1202	1-249-437-11	CARBON 47K 5% 1/4W	
R1203	1-249-415-11	CARBON 680 5% 1/4W	F
R1204	1-249-437-11	CARBON 47K 5% 1/4W	
R1205	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R1206	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R1207	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R1208	1-249-425-11	CARBON 4.7K 5% 1/4W	F
△ R1209	1-212-881-11	FUSIBLE 100 5% 1/4W	F
△ R1210	1-208-602-11	WIREWOUND 0.22 10% 2W	F
R1211	1-249-417-11	CARBON 1K 5% 1/4W	F
R1212	1-249-431-11	CARBON 15K 5% 1/4W	
R1213	1-249-441-11	CARBON 100K 5% 1/4W	
R1214	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R1215	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R1216	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R1217	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R1218	1-247-791-91	CARBON 22 5% 1/4W	
R1219	1-247-791-91	CARBON 22 5% 1/4W	
R1220	1-249-389-11	CARBON 4.7 5% 1/4W	F
			(N555AV:AEP,UK,G,IT)
R1221	1-249-389-11	CARBON 4.7 5% 1/4W	F
			(N555AV:AEP,UK,G,IT)
R1222	1-249-413-11	CARBON 470 5% 1/4W	F
R1223	1-249-429-11	CARBON 10K 5% 1/4W	
R1224	1-249-429-11	CARBON 10K 5% 1/4W	
R1225	1-249-417-11	CARBON 1K 5% 1/4W	F
R1226	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R1227	1-249-429-11	CARBON 10K 5% 1/4W	
R1228	1-249-441-11	CARBON 100K 5% 1/4W	
R1229	1-249-429-11	CARBON 10K 5% 1/4W	
R1231	1-249-429-11	CARBON 10K 5% 1/4W	
R1232	1-249-441-11	CARBON 100K 5% 1/4W	
R1233	1-249-435-11	CARBON 33K 5% 1/4W	
R1234	1-247-791-91	CARBON 22 5% 1/4W	
R1235	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R1236	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R1237	1-249-438-11	CARBON 56K 5% 1/4W	
R1238	1-249-437-11	CARBON 47K 5% 1/4W	
R1239	1-247-863-91	CARBON 22K 5% 1/4W	

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POWER AMP

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R1240	1-247-863-91	CARBON	22K	5%	1/4W	R1313	1-249-441-11	CARBON	100K	5%	1/4W
R1242	1-249-441-11	CARBON	100K	5%	1/4W	R1314	1-249-421-11	CARBON	2.2K	5%	1/4W F
△ R1243	1-217-637-00	FUSIBLE	1	5%	1/4W F	R1315	1-249-421-11	CARBON	2.2K	5%	1/4W F
R1244	1-249-417-11	CARBON	1K	5%	1/4W F	R1316	1-249-421-11	CARBON	2.2K	5%	1/4W F
R1245	1-249-441-11	CARBON	100K	5%	1/4W	R1317	1-249-421-11	CARBON	2.2K	5%	1/4W F
R1247	1-249-421-11	CARBON	2.2K	5%	1/4W F	R1318	1-247-791-91	CARBON	22	5%	1/4W
R1248	1-249-385-11	CARBON	2.2	5%	1/6W F	R1319	1-247-791-91	CARBON	22	5%	1/4W
			(N555AV:AEP,UK,G,IT)			R1320	1-249-389-11	CARBON	4.7	5%	1/4W F
R1249	1-249-385-11	CARBON	2.2	5%	1/6W F				(N555AV:AEP,UK,G,IT)		
			(N555AV:AEP,UK,G,IT)			R1321	1-249-389-11	CARBON	4.7	5%	1/4W F
R1251	1-249-417-11	CARBON	1K	5%	1/4W F				(N555AV:AEP,UK,G,IT)		
R1252	1-249-437-11	CARBON	47K	5%	1/4W	R1324	1-249-429-11	CARBON	10K	5%	1/4W
R1253	1-249-415-11	CARBON	680	5%	1/4W F	R1329	1-249-429-11	CARBON	10K	5%	1/4W
R1254	1-249-437-11	CARBON	47K	5%	1/4W	R1337	1-249-438-11	CARBON	56K	5%	1/4W
R1255	1-249-425-11	CARBON	4.7K	5%	1/4W F	R1338	1-249-437-11	CARBON	47K	5%	1/4W
R1256	1-249-425-11	CARBON	4.7K	5%	1/4W F	R1340	1-247-863-91	CARBON	22K	5%	1/4W
R1257	1-249-425-11	CARBON	4.7K	5%	1/4W F	△ R1343	1-217-637-00	FUSIBLE	1	5%	1/4W F
R1258	1-249-425-11	CARBON	4.7K	5%	1/4W F	R1344	1-249-417-11	CARBON	1K	5%	1/4W F
△ R1259	1-212-881-11	FUSIBLE	100	5%	1/4W F	R1348	1-249-385-11	CARBON	2.2	5%	1/6W F
			(N555AV:AEP,UK,G,IT)						(N555AV:AEP,UK,G,IT)		
△ R1260	1-208-602-11	WIREWOUND	0.22	10%	2W F	R1349	1-249-385-11	CARBON	2.2	5%	1/6W F
R1261	1-249-417-11	CARBON	1K	5%	1/4W F				(N555AV:AEP,UK,G,IT)		
R1262	1-249-431-11	CARBON	15K	5%	1/4W	R1351	1-249-417-11	CARBON	1K	5%	1/4W F
R1263	1-249-441-11	CARBON	100K	5%	1/4W	R1352	1-249-437-11	CARBON	47K	5%	1/4W
R1268	1-247-791-91	CARBON	22	5%	1/4W	R1353	1-249-417-11	CARBON	1K	5%	1/4W F
R1269	1-247-791-91	CARBON	22	5%	1/4W	R1354	1-249-437-11	CARBON	47K	5%	1/4W
R1270	1-249-425-11	CARBON	4.7K	5%	1/4W F	R1355	1-249-425-11	CARBON	4.7K	5%	1/4W F
R1271	1-249-425-11	CARBON	4.7K	5%	1/4W F	R1356	1-249-425-11	CARBON	4.7K	5%	1/4W F
R1272	1-260-091-11	CARBON	220	5%	1/2W	R1357	1-249-425-11	CARBON	4.7K	5%	1/4W F
R1273	1-249-389-11	CARBON	4.7	5%	1/4W F	R1358	1-249-425-11	CARBON	4.7K	5%	1/4W F
			(N555AV:AEP,UK,G,IT)			△ R1359	1-212-881-11	FUSIBLE	100	5%	1/4W F
R1274	1-260-091-11	CARBON	220	5%	1/2W	△ R1360	1-208-602-11	WIREWOUND	0.22	10%	2W F
R1275	1-249-389-11	CARBON	4.7	5%	1/4W F				(N555AV:AEP,UK,G,IT)		
			(N555AV:AEP,UK,G,IT)			R1361	1-249-417-11	CARBON	1K	5%	1/4W F
R1276	1-260-091-11	CARBON	220	5%	1/2W	R1362	1-249-431-11	CARBON	15K	5%	1/4W
R1277	1-260-091-11	CARBON	220	5%	1/2W	R1363	1-249-441-11	CARBON	100K	5%	1/4W
△ R1280	1-216-455-11	METAL OXIDE	560	5%	2W F	R1368	1-247-791-91	CARBON	22	5%	1/4W
R1298	1-249-385-11	CARBON	2.2	5%	1/6W F	R1369	1-247-791-91	CARBON	22	5%	1/4W
			(N555AV:AEP,UK,G,IT)			R1370	1-249-389-11	CARBON	4.7	5%	1/4W F
R1299	1-249-385-11	CARBON	2.2	5%	1/6W F				(N555AV:AEP,UK,G,IT)		
			(N555AV:AEP,UK,G,IT)			R1371	1-249-389-11	CARBON	4.7	5%	1/4W F
R1301	1-249-417-11	CARBON	1K	5%	1/4W F				(N555AV:AEP,UK,G,IT)		
R1302	1-249-437-11	CARBON	47K	5%	1/4W	△ R1380	1-216-455-11	METAL OXIDE	560	5%	2W F
R1303	1-249-417-11	CARBON	1K	5%	1/4W F	R1398	1-249-385-11	CARBON	2.2	5%	1/6W F
			(N555AV:AEP,UK,G,IT)						(N555AV:AEP,UK,G,IT)		
R1304	1-249-437-11	CARBON	47K	5%	1/4W	R1399	1-249-385-11	CARBON	2.2	5%	1/6W F
R1305	1-249-425-11	CARBON	4.7K	5%	1/4W F				(N555AV:AEP,UK,G,IT)		
R1306	1-249-425-11	CARBON	4.7K	5%	1/4W F	R1420	1-249-389-11	CARBON	4.7	5%	1/4W F
R1307	1-249-425-11	CARBON	4.7K	5%	1/4W F				(N555AV:AEP,UK,G,IT)		
R1308	1-249-425-11	CARBON	4.7K	5%	1/4W F	R1421	1-249-389-11	CARBON	4.7	5%	1/4W F
			(N555AV:AEP,UK,G,IT)						(N555AV:AEP,UK,G,IT)		
△ R1309	1-212-881-11	FUSIBLE	100	5%	1/4W F	R1424	1-249-429-11	CARBON	10K	5%	1/4W
△ R1310	1-208-602-11	WIREWOUND	0.22	10%	2W F				(N555AV)		
R1311	1-249-417-11	CARBON	1K	5%	1/4W F				(N555AV)		
R1312	1-249-431-11	CARBON	15K	5%	1/4W				(N555AV)		

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POWER AMP

S. WOOFER

Ref. No.	Part No.	Description	Remark			
R1431	1-249-441-11	CARBON	100K	5%	1/4W	
R1433	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R1439	1-247-863-91	CARBON	22K	5%	1/4W	
R1444	1-249-417-11	CARBON	1K	5%	1/4W	F
					(N555AV)	
R1448	1-249-385-11	CARBON	2.2	5%	1/6W	F
					(N555AV:AEP,UK,G,IT)	
R1449	1-249-385-11	CARBON	2.2	5%	1/6W	F
					(N555AV:AEP,UK,G,IT)	
R1470	1-249-389-11	CARBON	4.7	5%	1/4W	F
					(N555AV:AEP,UK,G,IT)	
R1471	1-249-389-11	CARBON	4.7	5%	1/4W	F
					(N555AV:AEP,UK,G,IT)	
R1481	1-249-429-11	CARBON	10K	5%	1/4W	F
					(N555AV)	
R1482	1-249-426-11	CARBON	5.6K	5%	1/4W	
					(N555AV)	
R1483	1-249-431-11	CARBON	15K	5%	1/4W	
					(N555AV)	
R1484	1-249-429-11	CARBON	10K	5%	1/4W	
					(N555AV)	
R1485	1-247-895-91	CARBON	470K	5%	1/4W	
					(N555AV)	
R1486	1-249-429-11	CARBON	10K	5%	1/4W	
					(N555AV)	
R1487	1-249-419-11	CARBON	1.5K	5%	1/4W	F
					(N555AV)	
R1488	1-249-429-11	CARBON	10K	5%	1/4W	
					(N555AV)	
R1489	1-249-437-11	CARBON	47K	5%	1/4W	
					(N555AV)	
R1490	1-249-431-11	CARBON	15K	5%	1/4W	
					(N555AV)	
R1491	1-249-441-11	CARBON	100K	5%	1/4W	
					(N555AV)	
R1492	1-249-425-11	CARBON	4.7K	5%	1/4W	F
					(N555AV)	
R1493	1-249-429-11	CARBON	10K	5%	1/4W	
					(N555AV)	
R1494	1-249-429-11	CARBON	10K	5%	1/4W	
					(N555AV)	
R1495	1-249-422-11	CARBON	2.7K	5%	1/4W	F
					(N555AV)	
R1498	1-249-385-11	CARBON	2.2	5%	1/6W	F
					(N555AV:AEP,UK,G,IT)	
R1499	1-249-385-11	CARBON	2.2	5%	1/6W	F
					(N555AV:AEP,UK,G,IT)	
< RELAY >						
RY1201	1-755-142-11	RELAY				
RY1301	1-755-142-11	RELAY				
< TERMINAL >						
TM1201	1-537-842-11	TERMINAL BOARD (FRONT SPEAKER)				

Ref. No.	Part No.	Description	Remark			
TM1301	1-537-510-11	TERMINAL BOARD (SPEAKER) (6P)				
		(SURROUND SPEAKER)				
TM1401	1-694-053-11	TERMINAL BOARD (SUPER WOOFER) (N555AV)				

*	A-4389-608-A	S, WOOFER BOARD, COMPLETE				

		(N555AV:E,AUS,PX,MX,AR)				
*	A-4389-627-A	S, WOOFER BOARD, COMPLETE				

		(N555AV:AEP,UK,G,IT)				
< CAPACITOR >						
C1401	1-126-963-11	ELECT	4.7uF	20%	50V	
C1402	1-136-171-00	FILM	0.33uF	5%	50V	
C1403	1-162-286-21	CERAMIC	220PF	10%	50V	
C1404	1-126-933-11	ELECT	100uF	20%	10V	
C1405	1-126-967-11	ELECT	47uF	20%	50V	
C1406	1-126-968-11	ELECT	100uF	20%	50V	
C1407	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C1408	1-126-965-11	ELECT	22uF	20%	50V	
C1410	1-136-495-11	FILM	0.068uF	5%	50V	
C1411	1-136-495-11	FILM	0.068uF	5%	50V	
C1426	1-161-494-00	CERAMIC	0.022uF	30%	25V	
		(N555AV:AEP,UK,G,IT)				
C1451	1-126-963-11	ELECT	4.7uF	20%	50V	
C1452	1-136-171-00	FILM	0.33uF	5%	50V	
C1453	1-162-286-21	CERAMIC	220PF	10%	50V	
C1454	1-126-933-11	ELECT	100uF	20%	10V	
C1455	1-126-967-11	ELECT	47uF	20%	50V	
C1456	1-126-968-11	ELECT	100uF	20%	50V	
C1460	1-136-495-11	FILM	0.068uF	5%	50V	
C1461	1-136-495-11	FILM	0.068uF	5%	50V	
< DIODE >						
D1401	8-719-987-63	DIODE 1N4148M				
D1404	8-719-987-63	DIODE 1N4148M				
D1451	8-719-987-63	DIODE 1N4148M				
< IC >						
IC1401	8-749-900-24	IC STK-4162MK2 (N555AV: AEP,UK,G,IT)				
IC1401	8-749-941-52	IC STK-4152II (N555AV: E,AUS,MX,PX,AR)				
< TRANSISTOR >						
Q1401	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA				
Q1451	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA				
< RESISTOR >						
R1401	1-249-417-11	CARBON	1K	5%	1/4W	F
R1402	1-249-437-11	CARBON	47K	5%	1/4W	
R1403	1-249-417-11	CARBON	1K	5%	1/4W	F

S. WOOFER

TABLE SENSOR

TC CONTROL

TC SW

Ref. No.	Part No.	Description	Remark		
R1404	1-249-437-11	CARBON	47K	5%	1/4W
R1405	1-249-425-11	CARBON	4.7K	5%	1/4W F
R1406	1-249-425-11	CARBON	4.7K	5%	1/4W F
R1407	1-249-425-11	CARBON	4.7K	5%	1/4W F
R1408	1-249-425-11	CARBON	4.7K	5%	1/4W F
△R1409	1-212-881-11	FUSIBLE	100	5%	1/4W F
△R1410	1-208-602-11	WIREWOUND	0.22	10%	2W F
R1411	1-249-417-11	CARBON	1K	5%	1/4W F
R1412	1-249-431-11	CARBON	15K	5%	1/4W
R1413	1-249-441-11	CARBON	100K	5%	1/4W
R1414	1-249-421-11	CARBON	2.2K	5%	1/4W F
R1415	1-249-421-11	CARBON	2.2K	5%	1/4W F
R1416	1-249-421-11	CARBON	2.2K	5%	1/4W F
R1417	1-249-421-11	CARBON	2.2K	5%	1/4W F
R1418	1-247-791-91	CARBON	22	5%	1/4W
R1419	1-247-791-91	CARBON	22	5%	1/4W
R1429	1-249-429-11	CARBON	10K	5%	1/4W
R1437	1-249-438-11	CARBON	56K	5%	1/4W
R1438	1-249-437-11	CARBON	47K	5%	1/4W
△R1443	1-217-637-00	FUSIBLE	1	5%	1/4W F
R1451	1-249-417-11	CARBON	1K	5%	1/4W F
R1452	1-249-437-11	CARBON	47K	5%	1/4W
R1453	1-249-417-11	CARBON	1K	5%	1/4W F
R1454	1-249-437-11	CARBON	47K	5%	1/4W
R1455	1-249-425-11	CARBON	4.7K	5%	1/4W F
R1456	1-249-425-11	CARBON	4.7K	5%	1/4W F
R1457	1-249-425-11	CARBON	4.7K	5%	1/4W F
R1458	1-249-425-11	CARBON	4.7K	5%	1/4W F
△R1459	1-212-881-11	FUSIBLE	100	5%	1/4W F
△R1460	1-208-602-11	WIREWOUND	0.22	10%	2W F
R1461	1-249-417-11	CARBON	1K	5%	1/4W F
R1462	1-249-431-11	CARBON	15K	5%	1/4W
R1463	1-249-441-11	CARBON	100K	5%	1/4W
R1468	1-247-791-91	CARBON	22	5%	1/4W
R1469	1-247-791-91	CARBON	22	5%	1/4W
△R1480	1-216-455-11	METAL OXIDE	560	5%	2W F
< RELAY >					
RY1401	1-755-142-11	RELAY			

* 1-659-058-13 TABLE SENSOR BOARD

< IC >

IC202 8-749-924-18 PHOTO INTERRUPTER RPI-1391

< RESISTOR >

R207 1-249-416-11 CARBON 820 5% 1/4W F

Ref. No.	Part No.	Description	Remark		
*	1-659-413-11	TC CONTROL BOARD	*****		
< DIODE >					
D630	8-719-058-03	DIODE SEL5423E-TP15 (▷)(DECK B)			
D631	8-719-058-03	DIODE SEL5423E-TP15 (◁)(DECK B)			
D632	8-719-058-03	DIODE SEL5423E-TP15 (▷)(DECK A)			
D633	8-719-058-03	DIODE SEL5423E-TP15 (◁)(DECK A)			
D634	8-719-058-03	DIODE SEL5423E-TP15			
D635	8-719-058-03	DIODE SEL5423E-TP15			
< RESISTOR >					
R538	1-247-815-91	CARBON	220	5%	1/4W
R539	1-249-411-11	CARBON	330	5%	1/4W
R540	1-249-413-11	CARBON	470	5%	1/4W F
R541	1-249-415-11	CARBON	680	5%	1/4W F
R542	1-249-417-11	CARBON	1K	5%	1/4W F
R543	1-249-419-11	CARBON	1.5K	5%	1/4W F
R544	1-249-421-11	CARBON	2.2K	5%	1/4W F
R545	1-249-423-11	CARBON	3.3K	5%	1/4W F
R546	1-249-427-11	CARBON	6.8K	5%	1/4W F
R547	1-249-431-11	CARBON	15K	5%	1/4W
R672	1-247-815-91	CARBON	220	5%	1/4W
R673	1-247-815-91	CARBON	220	5%	1/4W
< SWITCH >					
S539	1-554-303-21	SWITCH, TACTILE (▶▶)(DECK B)			
S540	1-554-303-21	SWITCH, TACTILE (◀◀)(DECK B)			
S541	1-554-303-21	SWITCH, TACTILE (■)(DECK B)			
S542	1-554-303-21	SWITCH, TACTILE (▷)(DECK B)			
S543	1-554-303-21	SWITCH, TACTILE (◁)(DECK B)			
S544	1-554-303-21	SWITCH, TACTILE (▷)(DECK A)			
S545	1-554-303-21	SWITCH, TACTILE (◁)(DECK A)			
S546	1-554-303-21	SWITCH, TACTILE (▶▶)(DECK A)			
S547	1-554-303-21	SWITCH, TACTILE (◀◀)(DECK A)			
S548	1-554-303-21	SWITCH, TACTILE (■)(DECK A)			

*	1-659-412-11	TC SW BOARD	*****		
< CONNECTOR >					
* CN503	1-568-945-11	PIN, CONNECTOR 7P			
< DIODE >					
D628	8-719-058-17	DIODE LNJ401NPYJA (■)			
D629	8-719-057-09	DIODE LNJ801LPDJA (● REC)			

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

TC SW

TCB

Ref. No.	Part No.	Description	Remark			
< RESISTOR >						
R533	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R534	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R535	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R536	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R537	1-249-431-11	CARBON	15K	5%	1/4W	F
(D670AV/N555QV:AEP,UK,G,IT)						
R590	1-249-417-11	CARBON	1K	5%	1/4W	F
< SWITCH >						
S533	1-554-303-21	SWITCH, TACTILE (CD SYNCHRO)				
S534	1-554-303-21	SWITCH, TACTILE (HIGH SPEED DUBBING)				
S535	1-554-303-21	SWITCH, TACTILE (■)				
S536	1-554-303-21	SWITCH, TACTILE (●REC)				
S537	1-554-303-21	SWITCH, TACTILE (DIRECTION)				
S538	1-554-303-21	SWITCH, TACTILE (DOLBY NR)				
(D670AV/N555AV:AEP,UK,G,IT)						

*						
	A-4303-510-A	TCB BOARD, COMPLETE (D670AV)				

*						
	A-4303-513-A	TCB BOARD, COMPLETE				

(N555AV:E,AUS,AR,MX,PX)						
< CAPACITOR >						
C1	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C2	1-126-967-11	ELECT	47uF	20%	16V	
C3	1-164-159-21	CERAMIC	0.1uF		50V	
C5	1-162-306-11	CERAMIC	10000PF	30%	16V	
C6	1-162-306-11	CERAMIC	10000PF	30%	16V	
C7	1-101-004-00	CERAMIC	0.01uF		50V	
C8	1-162-306-11	CERAMIC	10000PF	30%	16V	
C9	1-162-306-11	CERAMIC	10000PF	30%	16V	
C11	1-164-159-21	CERAMIC	0.1uF		50V	
C12	1-162-198-31	CERAMIC	8.2PF	10%	50V	
C14	1-162-306-11	CERAMIC	10000PF	30%	16V	
C21	1-102-959-00	CERAMIC	22PF	5%	50V	
C22	1-164-159-21	CERAMIC	0.1uF		50V	
C23	1-162-306-11	CERAMIC	10000PF	30%	16V	
C24	1-126-967-11	ELECT	47uF	20%	16V	
C25	1-162-306-11	CERAMIC	10000PF	30%	16V	
C26	1-126-964-11	ELECT	10uF	20%	50V	
C27	1-164-159-21	CERAMIC	0.1uF		50V	
C28	1-124-925-11	ELECT	2.2uF	20%	100V	
C29	1-102-518-11	CERAMIC	33PF	5%	50V	
C30	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C31	1-162-306-11	CERAMIC	10000PF	30%	16V	
C41	1-126-933-11	ELECT	100uF	20%	10V	

Ref. No.	Part No.	Description	Remark			
C43	1-126-962-11	ELECT	3.3uF	20%	50V	
C44	1-162-306-11	CERAMIC	10000PF	30%	16V	
C45	1-124-589-11	ELECT	47uF	20%	16V	
C46	1-162-600-11	CERAMIC	4700PF	30%	16V	
C47	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C48	1-126-160-11	ELECT	1uF	20%	50V	
C49	1-136-159-00	METALIZED FILM	0.033uF	5%	50V	
(N555AV:E,AUS,AR,MX,PX)						
C49	1-136-160-00	METALIZED FILM	0.039uF	5%	50V	
(D670AV)						
C50	1-136-159-00	METALIZED FILM	0.033uF	5%	50V	
(N555AV:E,AUS,AR,MX,PX)						
C50	1-136-160-00	METALIZED FILM	0.039uF	5%	50V	
(D670AV)						
C51	1-162-600-11	CERAMIC	4700PF	30%	16V	
(D670AV)						
C52	1-162-600-11	CERAMIC	4700PF	30%	16V	
(D670AV)						
C53	1-126-964-11	ELECT	10uF	20%	50V	
C54	1-126-157-11	ELECT	10uF	20%	16V	
C55	1-126-964-11	ELECT	10uF	20%	50V	
C56	1-126-964-11	ELECT	10uF	20%	50V	
C57	1-164-159-21	CERAMIC	0.1uF		50V	F
C58	1-162-306-11	CERAMIC	10000PF	30%	16V	
C59	1-164-159-21	CERAMIC	0.1uF		50V	F
C61	1-164-159-21	CERAMIC	0.1uF		50V	F
C62	1-126-967-11	ELECT	47uF	20%	16V	
C63	1-164-159-21	CERAMIC	0.1uF		50V	F
C64	1-124-902-00	ELECT	0.47uF	20%	50V	
C65	1-124-903-11	ELECT	1.0uF	20%	50V	
C66	1-124-903-11	ELECT	1.0uF	20%	50V	
C67	1-126-964-11	ELECT	10uF	20%	50V	
C68	1-162-306-11	CERAMIC	10000PF	30%	16V	
C69	1-162-306-11	CERAMIC	10000PF	30%	16V	
C70	1-162-306-11	CERAMIC	10000PF	30%	16V	
C71	1-162-306-11	CERAMIC	10000PF	30%	16V	
C73	1-162-306-11	CERAMIC	10000PF	30%	16V	
C74	1-126-964-11	ELECT	10uF	20%	50V	
< FILTER >						
CF1	1-567-389-11	FILTER, CERAMIC				
CF2	1-567-389-11	FILTER, CERAMIC				
< CONNECTOR >						
* CN1	1-568-832-11	SOCKET, CONNECTOR 13P				
< DIODE >						
D1	8-719-933-33	DIODE HZS6A1L				
D2	8-719-987-63	DIODE 1N4148M				

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description				Remark
< FRONTEND >													
FE1	1-233-533-11	ENCAPSULATED COMPONENT					R28	1-249-423-11	CARBON	3.3K	5%	1/4W	F
FE2	1-239-260-11	ENCAPSULATED COMPONENT					R29	1-249-417-11	CARBON	1K	5%	1/4W	F
< IC >													
IC1	8-759-288-54	IC LC72130					R30	1-249-417-11	CARBON	1K	5%	1/4W	F
IC2	8-759-176-03	IC LA1835					R31	1-249-417-11	CARBON	1K	5%	1/4W	F
< IFT >													
IFT41	1-409-636-11	TRANSFORMER, IF (CERAMIC FILTER)					R32	1-249-417-11	CARBON	1K	5%	1/4W	F
< COIL >													
L41	1-410-119-11	MICRO INDUCTOR (EL TYPE) 1mH					R33	1-247-807-31	CARBON	100	5%	1/4W	
< FILTER >													
LPF41	1-239-845-11	FILTER, LOW PASS (D670AV)					R34	1-249-429-11	CARBON	10K	5%	1/4W	
LPF42	1-239-845-11	FILTER, LOW PASS (D670AV)					R35	1-249-429-11	CARBON	10K	5%	1/4W	
< TRANSISTOR >													
Q1	8-729-230-99	TRANSISTOR 2SC2669-OY					R36	1-249-437-11	CARBON	47K	5%	1/4W	
Q2	8-729-230-99	TRANSISTOR 2SC2669-OY					R37	1-249-417-11	CARBON	1K	5%	1/4W	F
Q3	8-729-230-99	TRANSISTOR 2SC2669-OY					R41	1-249-429-11	CARBON	10K	5%	1/4W	
Q4	8-729-230-99	TRANSISTOR 2SC2669-OY					R43	1-249-423-11	CARBON	3.3K	5%	1/4W	F
Q5	8-729-422-57	TRANSISTOR UN4111					R49	1-249-393-11	CARBON	10	5%	1/4W	F
< RESISTOR >													
R1	1-249-401-11	CARBON	47	5%	1/4W	F	R50	1-249-429-11	CARBON	10K	5%	1/4W	
R2	1-249-411-11	CARBON	330	5%	1/4W		R51	1-249-441-11	CARBON	100K	5%	1/4W	
R3	1-249-411-11	CARBON	330	5%	1/4W		R52	1-249-429-11	CARBON	10K	5%	1/4W	
R5	1-249-411-11	CARBON	330	5%	1/4W		R53	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R6	1-247-863-91	CARBON	22K	5%	1/4W		R54	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R7	1-249-411-11	CARBON	330	5%	1/4W		R99	1-249-399-11	CARBON	33	5%	1/4W	F
R8	1-249-411-11	CARBON	330	5%	1/4W		< VARIABLE RESISTOR >						
R9	1-247-863-91	CARBON	22K	5%	1/4W		RV41	1-238-600-11	RES, ADJ, CARBON 10K				
R10	1-249-411-11	CARBON	330	5%	1/4W		RV42	1-238-601-11	RES, ADJ, CARBON 22K				
R11	1-247-863-91	CARBON	22K	5%	1/4W		< TERMINAL >						
R12	1-249-411-11	CARBON	330	5%	1/4W		TM1	1-537-238-21	TERMINAL BOARD (ANTENNA)				
R13	1-249-411-11	CARBON	330	5%	1/4W		< VIBRATOR >						
R14	1-247-863-91	CARBON	22K	5%	1/4W		X21	1-760-549-11	VIBRATOR, CRYSTAL (4.5MHz)				
R15	1-249-429-11	CARBON	10K	5%	1/4W		X41	1-577-075-11	OSCILLATOR, CERAMIC (456KHz)				
R16	1-249-437-11	CARBON	47K	5%	1/4W		X42	1-760-220-11	FILTER, CERAMIC (10.7MHz)				
R19	1-249-399-11	CARBON	33	5%	1/4W	F	X43	1-527-981-00	FILTER, CERAMIC (450KHz)				
R21	1-247-807-31	CARBON	100	5%	1/4W	F	*****						
R22	1-249-425-11	CARBON	4.7K	5%	1/4W	F							
R23	1-249-425-11	CARBON	4.7K	5%	1/4W	F							
R24	1-249-425-11	CARBON	4.7K	5%	1/4W	F							
R25	1-247-807-31	CARBON	100	5%	1/4W								
R26	1-249-411-11	CARBON	330	5%	1/4W								
R27	1-249-425-11	CARBON	4.7K	5%	1/4W	F							

TCB

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	A-4303-502-A	TCB BOARD, COMPLETE (EXCEPT Malaysia product) ***** (N555AV:AEP,UK)		C49	1-124-902-00	ELECT 0.47uF 20% 50V	
				C50	1-124-903-11	ELECT 1.0uF 20% 50V	
				C51	1-124-903-11	ELECT 1.0uF 20% 50V	
*	A-4303-503-A	TCB BOARD, COMPLETE (N555AV:IT,G) *****		C52	1-126-964-11	ELECT 10uF 20% 50V	
				C53	1-126-964-11	ELECT 10uF 20% 50V	
				C54	1-126-157-11	ELECT 10uF 20% 16V	
				C55	1-126-157-11	ELECT 10uF 20% 16V	
*	A-4303-514-A	TCB BOARD, COMPLETE (Malaysia product) ***** (N555AV:AEP)		C56	1-126-157-11	ELECT 10uF 20% 16V	
		< CAPACITOR >		C57	1-163-017-00	CERAMIC CHIP 0.0047uF 5% 50V	
C1	1-163-141-00	CERAMIC CHIP 0.001uF 5% 50V		C58	1-163-017-00	CERAMIC CHIP 0.0047uF 5% 50V	
C2	1-126-967-11	ELECT 47uF 20% 16V		C59	1-163-809-11	CERAMIC CHIP 0.047uF 10% 25V	
C3	1-163-038-91	CERAMIC CHIP 0.1uF 25V		C60	1-163-809-11	CERAMIC CHIP 0.047uF 10% 25V	
C5	1-163-031-11	CERAMIC CHIP 0.01uF 50V		C61	1-126-301-11	ELECT 1uF 20% 50V	
C6	1-163-038-91	CERAMIC CHIP 0.1uF 25V		C62	1-163-141-00	CERAMIC CHIP 0.001uF 5% 50V	
C8	1-163-031-11	CERAMIC CHIP 0.01uF 50V		C63	1-163-017-00	CERAMIC CHIP 0.0047uF 5% 50V	
C9	1-163-031-11	CERAMIC CHIP 0.01uF 50V		C64	1-126-967-11	ELECT 47uF 20% 16V	
C10	1-163-031-11	CERAMIC CHIP 0.01uF 50V		C65	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C11	1-216-295-91	CONDUCTOR, CHIP(2012)(N555AV:IT,G)		C66	1-126-162-11	ELECT 3.3uF 20% 50V	
C16	1-163-038-91	CERAMIC CHIP 0.1uF 25V		C67	1-126-933-11	ELECT 100uF 20% 10V	
C19	1-163-249-11	CERAMIC CHIP 82PF 5% 50V (N555AV:AEP,UK)		C68	1-162-306-11	CERAMIC 0.01uF 30% 16V	
C21	1-163-141-00	CERAMIC CHIP 0.001uF 5% 50V		C71	1-162-306-11	CERAMIC 0.01uF 30% 16V	
C22	1-163-031-11	CERAMIC CHIP 0.01uF 50V		C72	1-126-967-11	ELECT 47uF 20% 16V	
C23	1-163-235-11	CERAMIC CHIP 22PF 5% 50V		C120	1-163-105-00	CERAMIC CHIP 33PF 5% 50V	
C24	1-163-239-11	CERAMIC CHIP 33PF 5% 50V				< FILTER >	
C26	1-126-967-11	ELECT 47uF 20% 16V		CF1	1-579-374-71	FILTER, CERAMIC	
C28	1-126-967-11	ELECT 47uF 20% 16V		CF2	1-760-393-11	FILTER, CERAMIC	
C29	1-162-306-11	CERAMIC 0.01uF 30% 16V		CF3	1-760-393-11	FILTER, CERAMIC	
C30	1-124-925-11	ELECT 2.2uF 20% 100V				< CONNECTOR >	
C31	1-163-031-11	CERAMIC CHIP 0.01uF 50V		* CN1	1-568-834-11	SOCKET, CONNECTOR 15P	
C32	1-163-038-91	CERAMIC CHIP 0.1uF 25V				< DIODE >	
C33	1-163-038-91	CERAMIC CHIP 0.1uF 25V		D21	8-719-976-XX	DIODE DZH5.1B	
C34	1-163-091-00	CERAMIC CHIP 8PF 50V (N555AV:IT,G)		D41	8-719-016-74	DIODE 1SS352	
C34	1-163-229-11	CERAMIC CHIP 12PF 5% 50V (N555AV:AEP,UK)				< FRONTEND >	
C35	1-163-038-91	CERAMIC CHIP 0.1uF 25V		FE1	1-233-542-11	FRONT END (4 GANG)	
C36	1-163-141-00	CERAMIC CHIP 0.001uF 5% 50V		FE2	1-233-514-11	ENCAPSULATED COMPONENT (N555AV:AEP,UK)	
C37	1-163-141-00	CERAMIC CHIP 0.001uF 5% 50V		FE2	1-239-260-11	ENCAPSULATED COMPONENT (N555AV:IT,G)	
C39	1-163-141-00	CERAMIC CHIP 0.001uF 5% 50V				< IC >	
C40	1-163-031-11	CERAMIC CHIP 0.01uF 50V		IC21	8-759-288-54	IC LC72130	
C41	1-163-031-11	CERAMIC CHIP 0.01uF 50V		IC41	8-759-176-03	IC LA1835	
C42	1-163-038-91	CERAMIC CHIP 0.1uF 25V				< IFT >	
C43	1-163-038-91	CERAMIC CHIP 0.1uF 25V		IFT41	1-409-636-11	TRANSFORMER, IF (CERAMIC FILTER)	
C44	1-163-031-11	CERAMIC CHIP 0.01uF 50V				< JUMPER RESISTOR >	
C45	1-163-038-91	CERAMIC CHIP 0.1uF 25V		JR1	1-216-295-91	METAL CHIP 0 5% 1/10W (N555AV:IT,G)	
C46	1-163-077-00	CERAMIC CHIP 0.1uF 10% 25V					
C47	1-126-967-11	ELECT 47uF 20% 16V					
C48	1-163-031-11	CERAMIC CHIP 0.01uF 50V					

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
JR2	1-216-295-91	METAL CHIP 0	5% 1/10W (N555AV:AEP,UK)	R2	1-216-037-00	METAL CHIP 330	5% 1/10W
JR3	1-216-295-91	METAL CHIP 0	5% 1/10W (N555AV:IT,G)	R3	1-216-037-00	METAL CHIP 330	5% 1/10W
JR6	1-216-295-91	METAL CHIP 0	5% 1/10W	R5	1-216-037-00	METAL CHIP 330	5% 1/10W
JR7	1-216-295-91	METAL CHIP 0	5% 1/10W (N555AV:IT,G)	R6	1-216-081-00	METAL CHIP 22K	5% 1/10W
JR8	1-216-295-91	METAL CHIP 0	5% 1/10W (N555AV:AEP,UK)	R7	1-216-037-00	METAL CHIP 330	5% 1/10W
JR9	1-216-295-91	METAL CHIP 0	5% 1/10W (N555AV:AEP,UK)	R8	1-216-037-00	METAL CHIP 330	5% 1/10W
JR45	1-216-295-91	METAL CHIP 0	5% 1/10W	R9	1-216-081-00	METAL CHIP 22K	5% 1/10W
JR46	1-216-296-91	METAL CHIP 0	5% 1/8W	R10	1-216-037-00	METAL CHIP 330	5% 1/10W
JR47	1-216-295-91	METAL CHIP 0	5% 1/10W	R11	1-216-081-00	METAL CHIP 22K	5% 1/10W
JR48	1-216-295-91	METAL CHIP 0	5% 1/10W	R12	1-216-037-00	METAL CHIP 330	5% 1/10W
JR49	1-216-296-91	METAL CHIP 0	5% 1/8W	R13	1-216-037-00	METAL CHIP 330	5% 1/10W
JR51	1-216-295-91	METAL CHIP 0	5% 1/10W (N555AV:AEP,UK)	R14	1-216-081-00	METAL CHIP 22K	5% 1/10W
JR52	1-216-295-91	METAL CHIP 0	5% 1/10W	R18	1-216-073-00	METAL CHIP 10K	5% 1/10W (N555AV:AEP,UK)
JR53	1-216-296-91	METAL CHIP 0	5% 1/8W (N555AV:AEP,UK)	R19	1-216-073-00	METAL CHIP 10K	5% 1/10W (N555AV:AEP,UK)
JR54	1-216-295-91	METAL CHIP 0	5% 1/10W	R21	1-216-049-91	METAL CHIP 1.0K	5% 1/10W
< JUMPER RESISTOR >				R22	1-216-049-91	METAL CHIP 1.0K	5% 1/10W
JW4	1-249-413-11	CARBON 470 5% 1/4W		R23	1-216-049-91	METAL CHIP 1.0K	5% 1/10W
JW5	1-249-413-11	CARBON 470 5% 1/4W		R24	1-216-025-91	METAL CHIP 100	5% 1/10W
< COIL >				R25	1-249-417-11	CARBON 1K	5% 1/4W F
L2	1-414-142-11	MICRO INDUCTOR 1uH		R26	1-249-437-11	CARBON 47K	5% 1/4W
L3	1-410-521-11	MICRO INDUCTOR 100uH		R27	1-249-429-11	CARBON 10K	5% 1/4W
L4	1-410-515-11	INDUCTOR 33uH		R28	1-249-417-11	CARBON 1K	5% 1/4W F
L41	1-407-500-00	MICRO INDUCTOR 4.7mH (N555AV:AEP,UK)		R29	1-216-061-00	METAL CHIP 3.3K	5% 1/10W
L41	1-410-119-11	MICRO INDUCTOR (EL TYPE) 1mH (N555AV:IT,G)		R30	1-216-186-00	METAL CHIP 330	5% 1/8W
< FILTER >				R31	1-216-025-91	METAL CHIP 100	5% 1/10W
LPF41	1-239-845-11	FILTER, LOW PASS		R32	1-249-425-11	CARBON 4.7K	5% 1/4W F
LPF42	1-239-845-11	FILTER, LOW PASS		R33	1-249-425-11	CARBON 4.7K	5% 1/4W F
< TRANSISTOR >				R34	1-216-065-00	METAL CHIP 4.7K	5% 1/10W
Q1	8-729-201-27	TRANSISTOR 2SC2715Y		R35	1-216-214-00	METAL CHIP 4.7K	5% 1/8W
Q2	8-729-201-27	TRANSISTOR 2SC2715Y		R36	1-216-025-11	METAL CHIP 100	5% 1/10W
Q3	8-729-201-27	TRANSISTOR 2SC2715Y		R37	1-216-073-00	METAL CHIP 10K	5% 1/10W
Q4	8-729-201-27	TRANSISTOR 2SC2715Y		R38	1-216-089-11	METAL CHIP 47K	5% 1/10W
Q5	8-729-424-08	TRANSISTOR UN2111		R39	1-249-429-11	CARBON 10K	5% 1/4W
Q9	8-729-216-22	TRANSISTOR 2SA1162-G (N555AV:AEP,UK)		R42	1-216-073-00	METAL CHIP 10K	5% 1/10W
Q11	8-729-421-22	TRANSISTOR UN2211 (N555AV:AEP,UK)		R43	1-216-042-00	METAL CHIP 510	5% 1/10W
Q12	8-729-421-22	TRANSISTOR UN2211 (N555AV:AEP,UK)		R44	1-216-013-00	METAL CHIP 33	5% 1/10W
Q13	8-729-421-22	TRANSISTOR UN2211 (N555AV:AEP,UK)		R45	1-249-423-11	CARBON 3.3K	5% 1/4W F
Q14	8-729-421-22	TRANSISTOR UN2211 (N555AV:AEP,UK)		R46	1-216-073-00	METAL CHIP 10K	5% 1/10W
< RESISTOR >				R47	1-216-097-91	METAL CHIP 100K	5% 1/10W
R1	1-249-401-11	CARBON 47	5% 1/4W F	R48	1-249-417-11	CARBON 1K	5% 1/4W F
				R49	1-216-049-91	METAL CHIP 1.0K	5% 1/10W
				R50	1-216-065-00	METAL CHIP 4.7K	5% 1/10W
				R51	1-216-065-00	METAL CHIP 4.7K	5% 1/10W
				R53	1-249-429-11	CARBON 10K	5% 1/4W
				R55	1-216-162-00	METAL CHIP 33	5% 1/8W
				R56	1-249-393-11	CARBON 10	5% 1/4W F
				R91	1-216-295-91	METAL CHIP 0	5% 1/10W (N555AV:AEP,UK)
				R92	1-216-073-00	METAL CHIP 10K	5% 1/10W (N555AV:AEP,UK)

TCB

TRANS

Ref. No.	Part No.	Description	Remark
< VARIABLE RESISTOR >			
RV41	1-238-601-11	RES, ADJ, CARBON 22K	
RV42	1-238-600-11	RES, ADJ, CARBON 10K	
< TERMINAL >			
TM1	1-537-488-11	TERMINAL BOARD (ANT) (ANTENNA)	
< VIBRATOR >			
X21	1-760-549-11	VIBRATOR, CRYSTAL (4.5MHz)	
X41	1-760-220-11	FILTER, CERAMIC (10.7MHz)	
X42	1-527-981-00	FILTER, CERAMIC (450KHz)	
X43	1-577-075-11	OSCILLATOR, CERAMIC (456KHz)	

*	1-659-218-11	TRANS BOARD (D670AV)	

*	1-660-805-11	TRANS BOARD (N555AV)	

	1-533-217-31	HOLDER, FUSE	
< CAPACITOR >			
C1600	1-164-159-21	CERAMIC 0.1uF 50V	
C1601	1-164-159-21	CERAMIC 0.1uF 50V (N555AV)	
< CONNECTOR >			
* CN1601	1-535-139-00	BASE POST 14MM (10MMPITCH) 2P (N555AV:E,PX,MX)	
CN1601	1-774-108-11	PIN, CONNECTOR (PC BOARD) (D670AV/N555AV:AEP,UK,G,IT,AUS,AR)	
CN1604	1-564-524-11	PLUG, CONNECTOR 9P	
< FUSE >			
△ F1601	1-532-506-31	FUSE, TIME-LAG (6.3A 250V)(N555AV)	
△ F1602	1-532-506-31	FUSE, TIME-LAG (6.3A 250V)(N555AV)	
△ F1603	1-532-504-31	FUSE, TIME-LAG (4A 250V)(N555AV:E,PX,MX,AR)	
△ F1603	1-533-420-11	FUSE, GLASS CYLINDRICAL (DIA.5)(5A 125V) (D670AV:US)	
△ F1603	1-533-419-11	FUSE, GLASS CYLINDRICAL (DIA.5)(4A 125V) (D670AV:CND)	
△ F1604	1-532-465-31	FUSE, TIME-LAG (3.15A 250V) (N555AV:AEP,UK,G,IT,E,AUS,PX,AR)	
< RESISTOR >			
△ R1600	1-202-725-00	SOLID 3.3M 10% 1/2W (D670AV)	
△ R1601	1-219-124-81	FUSIBLE 0.68 5% 1/4W F	
△ R1602	1-219-120-11	FUSIBLE 0.15 5% 1/4W F	
△ R1603	1-219-120-11	FUSIBLE 0.15 5% 1/4W F	

Ref. No.	Part No.	Description	Remark
< TRANSFORMER >			
△ T1601	1-429-338-11	TRANSFORMER, POWER (N555AV:AEP,UK,G,IT)	
△ T1601	1-429-339-11	TRANSFORMER, POWER (D670AV)	
△ T1601	1-429-340-11	TRANSFORMER, POWER (N555AV:E,AUS,PX,MX,AR)	
< SWITCH >			
△ VS1601	1-572-675-11	SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SELECTOR)(N555AV:E,PX,AR)	

MISCELLANEOUS			

3	1-751-688-11	WIRE (FLAT TYPE)(13 CORE)	
3	1-773-011-11	WIRE (FLAT TYPE)(15 CORE)(N555AV:AEP,UK)	
* 57	1-659-414-11	MIC BOARD (N555AV:E,AUS,PX,MX,AR)	
* 152	1-659-218-11	TRANS BOARD (D670AV)	
* 152	1-660-805-11	TRANS BOARD (D555AV)	
153	1-751-688-11	WIRE (FLAT TYPE)(13 CORE)	
156	1-769-069-11	WIRE (FLAT TYPE)(16 CORE)(N555AV:AEP)	
156	1-773-011-11	WIRE (FLAT TYPE)(15 CORE)(N555AV:AEP,UK)	
157	1-777-046-11	WIRE (FLAT TYPE)(19 CORE)	
158	1-765-338-11	WIRE (FLAT TYPE)(21 CORE)	
159	1-769-949-11	WIRE (FLAT TYPE)(11 CORE)	
160	1-590-578-11	WIRE (FLAT TYPE)(19 CORE)	
160	1-773-153-11	WIRE (FLAT TYPE)(21 CORE)	
160	1-773-219-11	WIRE (FLAT TYPE)(25 CORE)	
162	1-569-007-11	ADAPTER, CONVERSION 2P (N555AV:PX)	
162	1-569-008-11	ADAPTER, CONVERSION 2P (N555AV:AR)	
162	1-569-008-21	ADAPTER, CONVERSION 2P (N555AV:AR)	
* 357	1-452-538-11	MAGNET	
△ 401	8-848-387-01	OPTICAL PICK-UP KSS-213BA/S-N	
402	1-769-069-11	WIRE (FLAT TYPE)(16 CORE)	
△ CNP1601	1-558-943-51	CORD, POWER (N555AV:E,PX,MX)	
△ CNP1601	1-575-042-21	CORD, POWER (D670AV)	
△ CNP1601	1-575-651-21	CORD, POWER (N555AV:AEP,G,IT,AR)	
△ CNP1601	1-696-845-11	CORD, POWER (N555AV:AUS)	
△ CNP1601	1-751-522-11	CORD, POWER (N555AV:UK)	
△ F1601	1-532-506-31	FUSE, TIME LAG (6.3A, 250V)(N555AV)	
△ F1602	1-532-506-31	FUSE, TIME LAG (6.3A, 250V)(N555AV)	
△ F1603	1-532-504-31	FUSE, TIME LAG (4A, 250V) (N555AV:E,PX,MX,AR)	
△ F1603	1-533-420-11	FUSE, GLASS CYLINDRICAL (DIA.5)(5A, 125V) (D670AV:US)	
△ F1603	1-533-419-11	FUSE, GLASS CYLINDRICAL (DIA.5)(4A, 125V) (D670AV:CND)	
△ F1604	1-532-465-31	FUSE, TIME-LAG (3.15A 250V) (N555AV:AEP,UK,G,IT,E,AUS,PX,AR)	
FL501	1-517-490-21	INDICATOR TUBE, FLUORESCENT	
HP101	1-500-093-11	HEAD, MAGNETIC (PLAYBACK)	
HRPE101	1-500-094-11	HEAD, MAGNETIC (REC/PB/ERASE)	
M1	X-3371-223-1	MOTOR ASSY (CAPSTAN)	

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
M2	A-2004-410-A	MOTOR ASSY (TRIGGER)	
M101	X-4917-523-4	MOTOR ASSY (SPINDLE)	
M102	X-4917-504-1	MOTOR ASSY (SLED)	
M201	A-4660-977-A	MOTOR ASSY (TABLE)	
S101	1-572-085-11	SWITCH, LEAF (LIMIT)	
△T1601	1-429-338-11	TRANSFORMER, POWER (N555AV:AEP,UK,G,IT)	
△T1601	1-429-339-11	TRANSFORMER, POWER (D670AV)	
△T1601	1-429-340-11	TRANSFORMER, POWER (N555AV:E,AUS,PX,MX,AR)	

ACCESSORIES & PACKING MATERIALS

	1-473-608-11	REMOTE COMMANDER (RM-SE1AV)
*	4-979-431-01	CUSHION (BOTTOM)
*	4-980-140-01	CUSHION (UPPER)
	4-981-643-01	COVER, BATTERY (for RM-SE1AV)

HARDWARE LIST

#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S
#2	7-685-871-01	SCREW +BVTT 3X6 (S) (D670AV)
#3	7-682-560-04	SCREW +BVTT 4X6 (S)(N555AV)
#4	7-685-650-79	SCREW +BVTP 3X16 TYPE2 IT-3
#5	7-621-770-67	SCREW +BVTT 2.6X6 (S)
#6	7-685-131-19	SCREW +BTP 2.6X4 TYPE2 N-S
#7	7-685-534-19	SCREW +BTP 2.6X8 TYPE2 N-S
#8	7-621-775-10	SCREW +B 2.6X4
#9	7-685-533-19	SCREW +BTP 2.6X6 TYPE2 N-S
#10	7-623-921-01	RING, RETAINING, CAPSTAN
#11	7-621-775-00	SCREW +B 2.6X3
#12	7-621-255-15	SCREW +P 2X3

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SS-LB555AV

SERVICE MANUAL

*AEP Model
UK Model
E Model
Tourist Model*

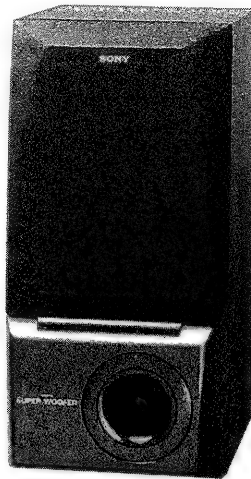


Photo : L-ch

This set is the speaker system in
LBT-N455K, LBT-N555AV and V4500.

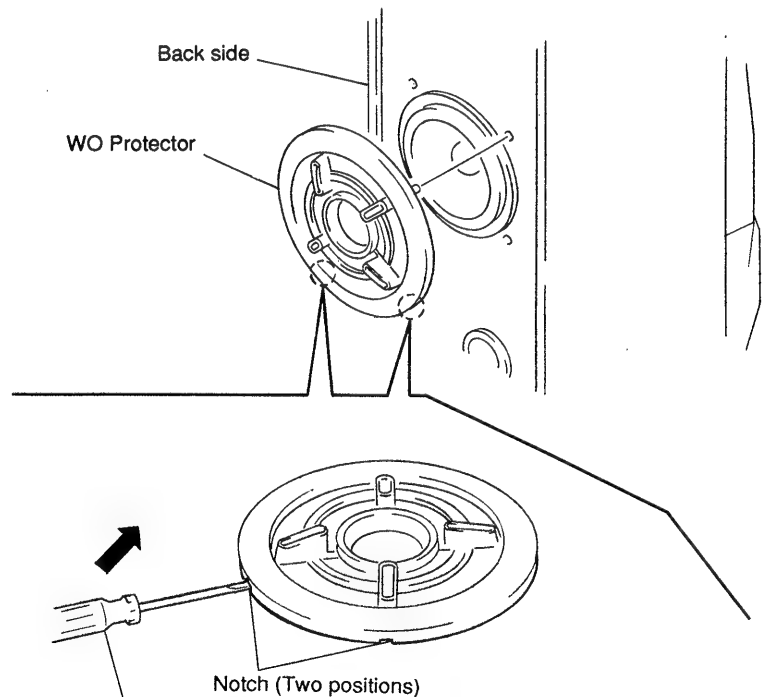
SPECIFICATIONS

Speaker system 3-way speaker system
Speaker units
Super woofer: 17 cm dia, cone type
Woofer: 17 cm dia., cone type
Tweeter: 6 cm dia., cone type
Super tweeter: 2 cm dia., dome type
Nominal impedance
 6 ohms
Dimensions
 Approx. 240 × 500 × 370 mm
 (9 ¹/₂ × 19 ³/₄ × 14 ⁵/₈ inches)
 (w/h/d) incl. front grille
Mass
 Approx. 9.2 kg (20 lb 5 oz.) per
 speaker

Design and specifications subject to change
without notice.

NOTE FOR REMOVING WO PROTECTOR

Note : When installing, be sure to install in the
same direction as when it was removed.



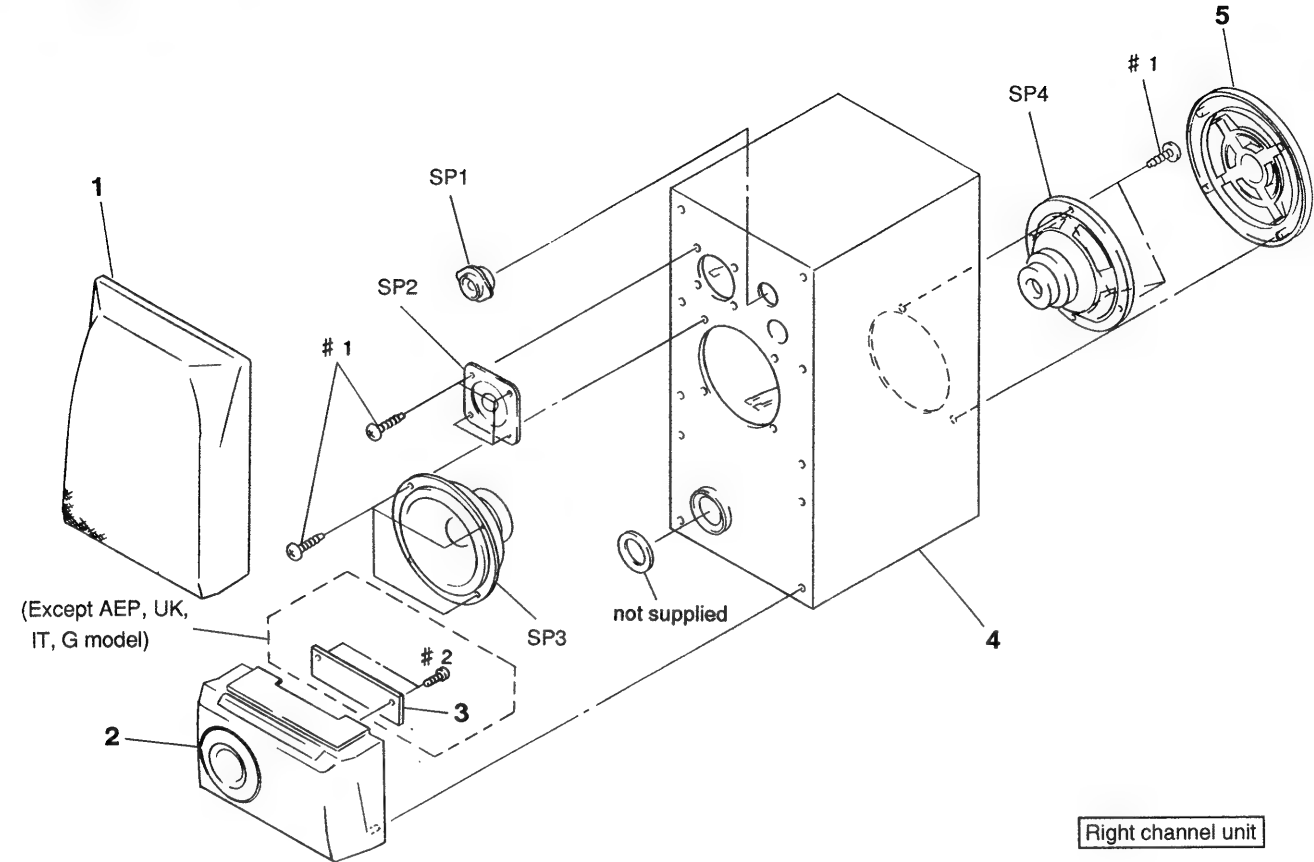
Put the screwdriver into a notch, and rise it in the direction
of arrow so that WO Protector is removed.
Pay your attention not to take scratches on the set.

SPEAKER SYSTEM
SONY®

EXPLODED VIEWS

NOTE:

- Items marked “ * ” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
 - The mechanical parts with no reference number in the exploded views are not supplied.
- Abbreviation
G : German model
IT : Italian model



Ref. No.	Part No.	Description	Remark
1	X-4946-690-1	FRAME ASSY, GRILLE	
2	X-4946-958-1	PANEL (L) ASSY, DUCT	(EXCEPT AEP, UK, G, IT)
2	X-4946-959-1	PANEL (R) ASSY, DUCT	(EXCEPT AEP, UK, G, IT)
2	X-4947-258-1	PANEL (L) ASSY, DUCT	(AEP, UK, G, IT)
2	X-4947-257-1	PANEL (R) ASSY, DUCT	(AEP, UK, G, IT)
* 3	1-589-834-11	LED BOARD, COMPLETE	(EXCEPT AEP, UK, G, IT)
* 4	A-4361-894-A	CABINET (L) ASSY, SPEAKER	(including SP TERMINAL BOARD) (EXCEPT AEP, UK, G, IT)
* 4	A-4361-895-A	CABINET (R) ASSY, SPEAKER	(including SP TERMINAL BOARD) (EXCEPT AEP, UK, G, IT)
* 4	A-4384-053-A	CABINET (L) ASSY, SPEAKER	(including SP TERMINAL BOARD) (AEP, UK, IT)
* 4	A-4384-054-A	CABINET (R) ASSY, SPEAKER	(including SP TERMINAL BOARD) (AEP, UK, IT)
* 4	A-4384-104-A	CABINET (L) ASSY, SPEAKER	(including SP TERMINAL BOARD) (G)
* 4	A-4384-105-A	CABINET (R) ASSY, SPEAKER	(including SP TERMINAL BOARD) (G)
5	4-981-069-01	WO PROTECTOR	
SP1	1-504-639-11	SPEAKER (2CM) (SUPER TWEETER)	
SP2	1-504-872-11	SPEAKER (6CM) (TWEETER)	
SP3	1-505-261-11	SPEAKER (17CM) (WOOFER)	

Ref. No.	Part No.	Description	Remark
SP4	1-505-252-11	SPEAKER (17CM) (SUPER WOOFER)	

ACCESSORIES & PACKING MATERIALS			

	1-769-317-11	CORD, SPEAKER (RED/BLACK 2.5m)	
	1-775-458-11	CORD, SPEAKER (BLUE/BLACK 2.5m)	
*	4-980-314-01	INDIVIDUAL CARTON	(Indonesia product) (AEP, UK, G, IT)
*	4-980-318-01	INDIVIDUAL CARTON	(EXCEPT AEP, UK, G, IT)
*	4-980-685-01	CUSHION	
*	4-983-128-01	INDIVIDUAL CARTON	(Malaysia product) (AEP, UK, IT)

HARDWARE LIST			

#1	7-685-162-01	SCREW +P 4X14 TYPE4	
#2	7-685-536-19	SCREW +BTP 2.6X12 TYPE2	(EXCEPT AEP, UK, G, IT)

Sony Corporation

Consumer A&V Products Company
Home A&V Products Div.

9-960-672-11

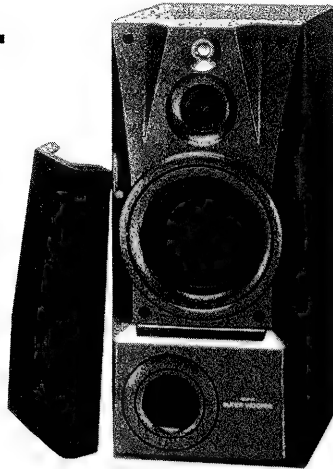
English
96D0978-1
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Published by Home A&V Products Div.
Quality Engineering Dept.

SS-LB655AV

SERVICE MANUAL

*E Model
Australian Model
PX Model*



This set is the speaker system in
LBT-N555AV and LBT-N555AVK.

Photo : R-ch

SPECIFICATIONS

Speaker system 3-way speaker system
 Magnetically shielded
 type

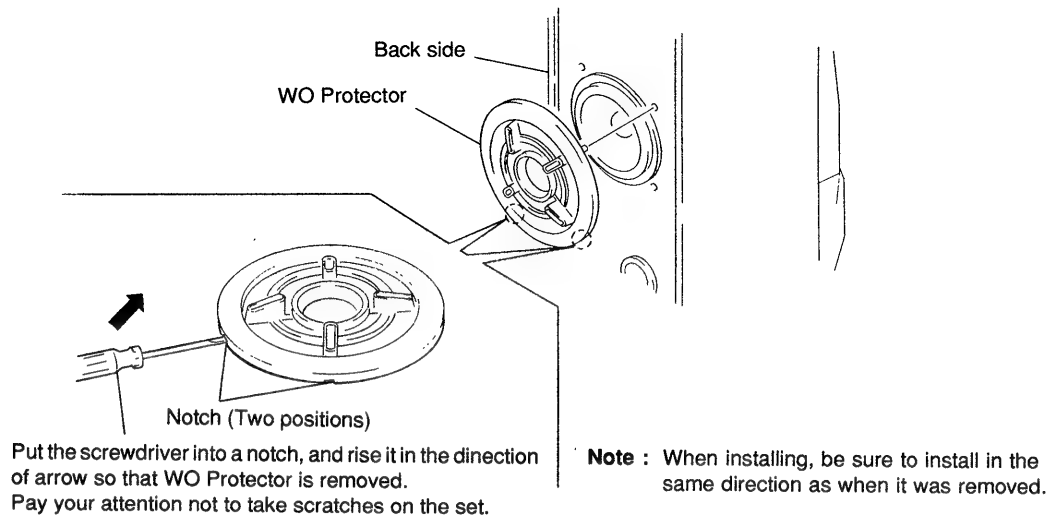
Speaker units
 Super woofer: 17 cm dia., cone
 type
 Woofer: 17 cm dia., cone type
 Tweeter: 6 cm dia., cone type
 Super tweeter: 2 cm dia., dome
 type

Nominal impedance 6 ohms

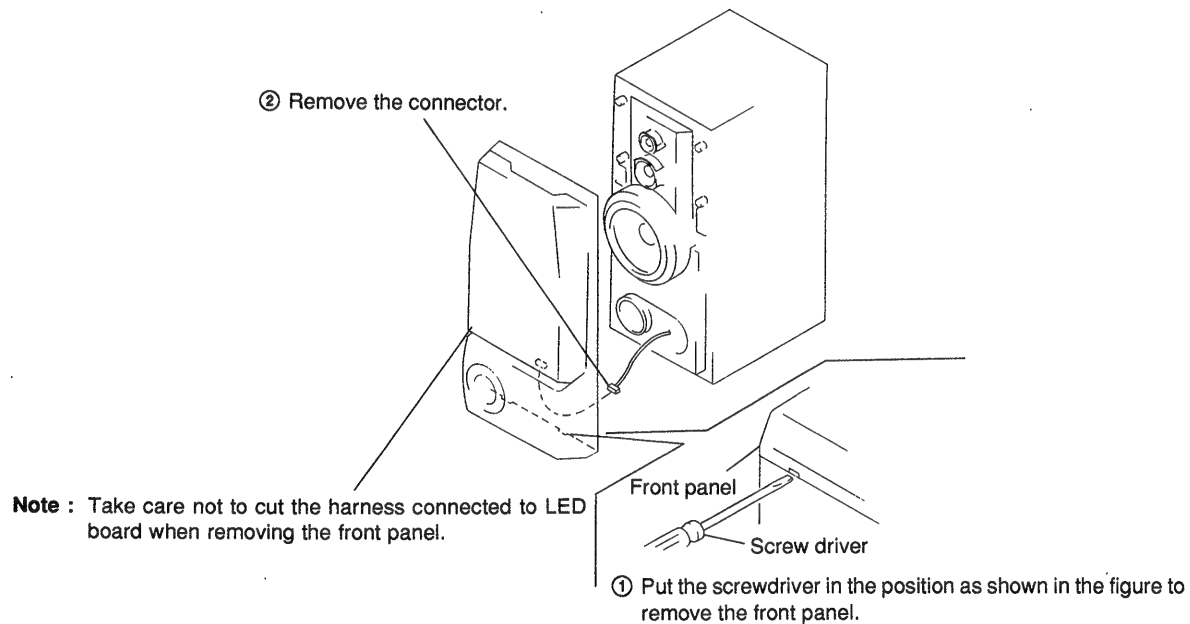
Design and specifications subject to change
without notice.

SPEAKER SYSTEM
SONY®

NOTE FOR REMOVING WO PROTECTOR

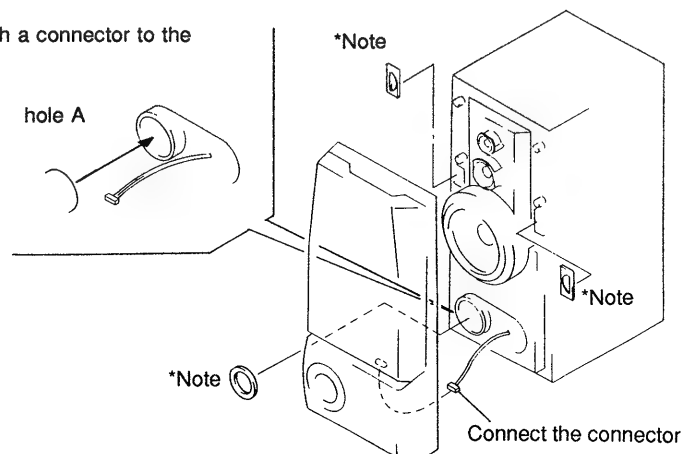


NOTE FOR REMOVING FRONT PANEL



NOTE FOR FRONT PANEL INSTALLATION

Note : Install carefully the cord with a connector to the hole A not to get jammed.



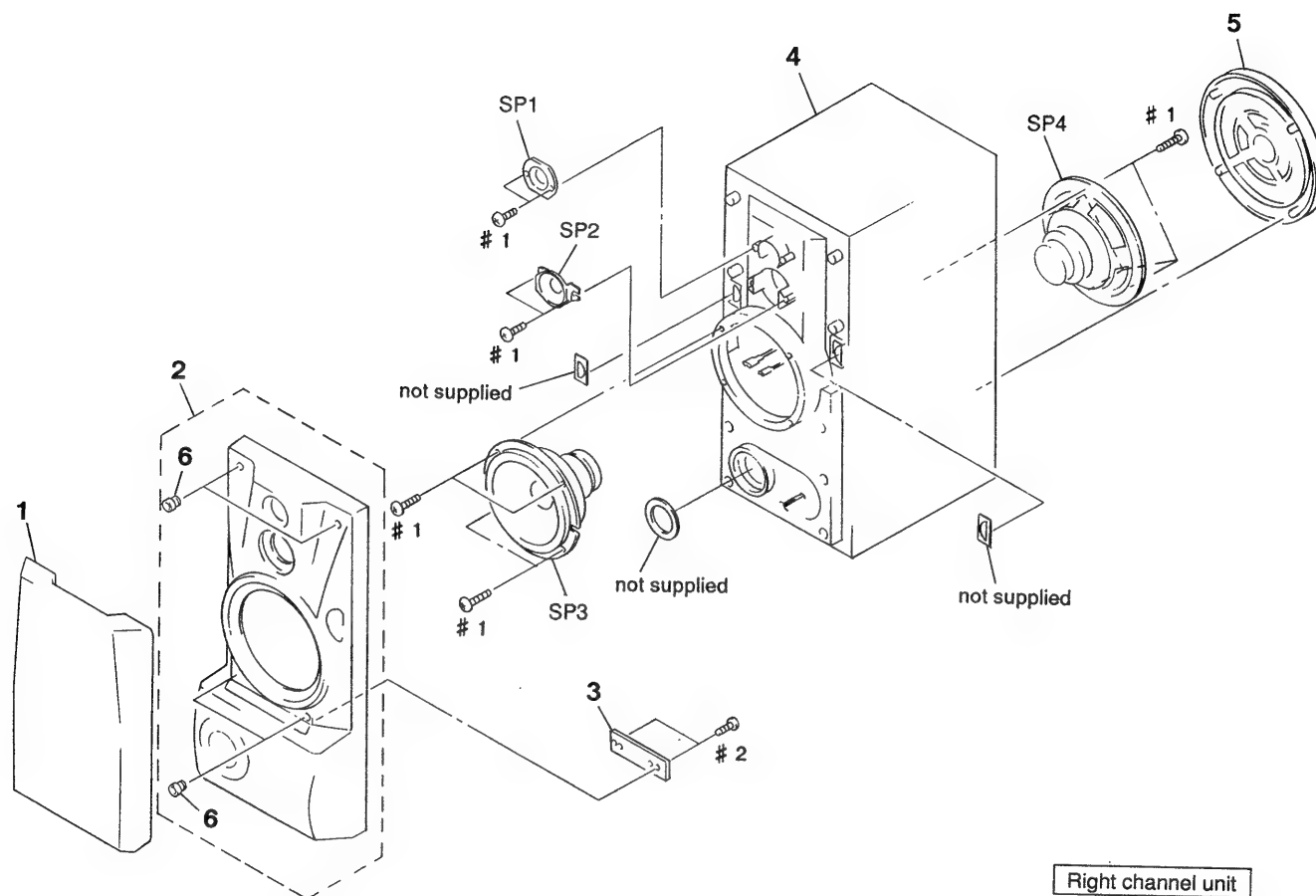
***Note :** Take care not to lose because it is easily removed.

EXPLODED VIEW

NOTE:

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.

- Abbreviation
AUS : Australian model



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	X-4947-284-1	FRAME ASSY, GRILLE				ACCESSORIES & PACKING MATERIALS	
2	X-4947-282-1	PANEL (L) ASSY, FRONT				*****	
2	X-4947-283-1	PANEL (R) ASSY, FRONT					
* 3	1-589-834-11	LED INDICATOR BOARD				1-769-317-11	CORD, SPEAKER (RED/BLACK 2.5m)
* 4	A-4384-202-A	CABINET (L) ASSY, SPEAKER (including SP TERMINAL BOARD)		*		1-775-458-11	CORD, SPEAKER (BLUE/BLACK 2.5m)
* 4	A-4384-204-A	CABINET (R) ASSY, SPEAKER (including SP TERMINAL BOARD)		*		4-980-316-01	INDIVIDUAL CARTON (AUS, PX)
5	4-981-069-01	PROTECTOR, WO		*		4-980-317-01	INDIVIDUAL CARTON (Indonesia product) (EXCEPT AUS, PX)
6	4-951-733-01	CATCHER		*		4-983-124-01	CUSHION
SP1	1-505-391-11	SPEAKER (2CM) (SUPER TWEETER)		*		4-983-129-01	INDIVIDUAL CARTON (Malaysia product) (EXCEPT AUS, PX)
SP2	1-504-544-11	SPEAKER (6CM) (TWEETER)				*****	
SP3	1-505-230-11	SPEAKER (17CM) (WOOFER)				*****	
SP4	1-505-260-11	SPEAKER (17CM) (SUPER WOOFER)				HARDWARE LIST	

				#1	7-685-162-01	SCREW +P 4X14 TYPE4	
				#2	7-685-536-19	SCREW +BTP 2.6X12 TYPE2 N-S	

SS-CN120

SERVICE MANUAL

*US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
PX Model*



This set is the speaker system
in LBT-D670AV/N555AV/N555AVK.

SPECIFICATIONS

Speaker system Full speaker system

Speaker units

Woofer: 10 cm dia., full type

Nominal impedance

8 ohms

Dimensions

Approx. 345 × 125 × 165 mm

(13 ⁵/₈ × 4 ⁵/₈ × 7 ⁵/₈ inches)

(w/h/d) incl. front grille

Mass Approx. 1.85 kg (4 lb)

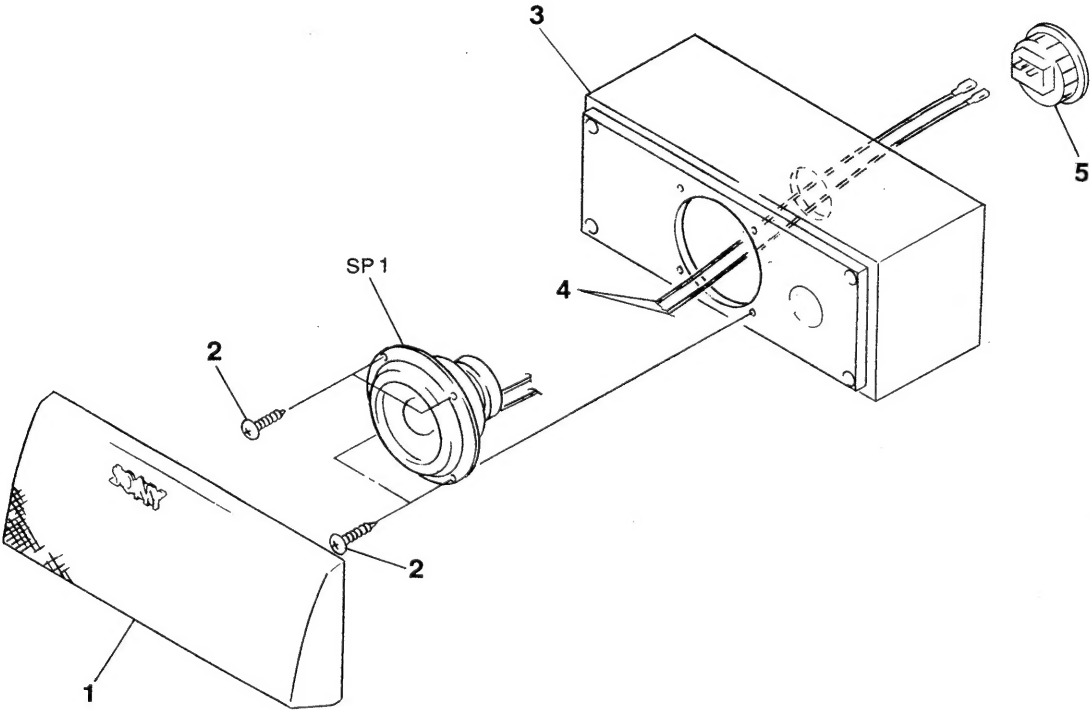
Design and specifications are subject to
change without notice.

SPEAKER SYSTEM
SONY®

EXPLODED VIEW

NOTE:

- Items marked “ * ” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Abbreviation
G : German model



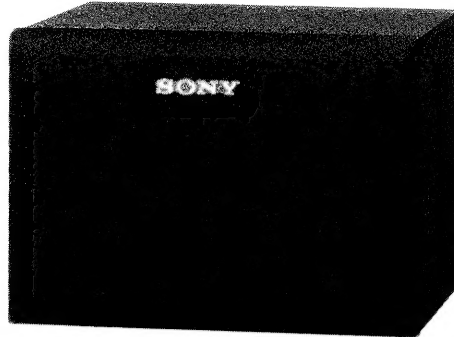
Ref. No.	Part No.	Description
1	X-4947-269-1	GRILLE ASSY, FRONT
2	4-874-614-11	SCREW +BVTP 3.5X14
* 3	4-983-156-01	CABINET, SPEAKER (EXCEPT G)
* 3	4-983-157-01	CABINET, SPEAKER (G)
4	1-775-758-11	LEAD (WITH CONNECTOR)
5	1-537-332-11	TERMINAL BOARD
SP1	1-505-342-11	SPEAKER (10CM)

Remark	Ref. No.	Part No.	Description	Remark
			ACCESSORIES & PACKING MATERIALS	

	*	4-982-589-01	CUSHION (CR) (UPPER)	
	*	4-982-590-01	CUSHION (CR) (LOWER)	

SS-SR120

SERVICE MANUAL



*US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
PX Model*

This set is the speaker system
in LBT-D570/D670AV/N555AV/
N555AVK.

SPECIFICATIONS

Speaker system
Full speaker system
Speaker units
Woofer: 10 cm dia., full type
Nominal impedance
16 ohms
Dimensions
Approx. 175 × 127 × 165 mm
(7 × 5 × 7 ³/₈ inches)
(w/h/d) incl. front grille
Mass Approx. 1.3 kg (2 lb 13 oz.) per
speaker

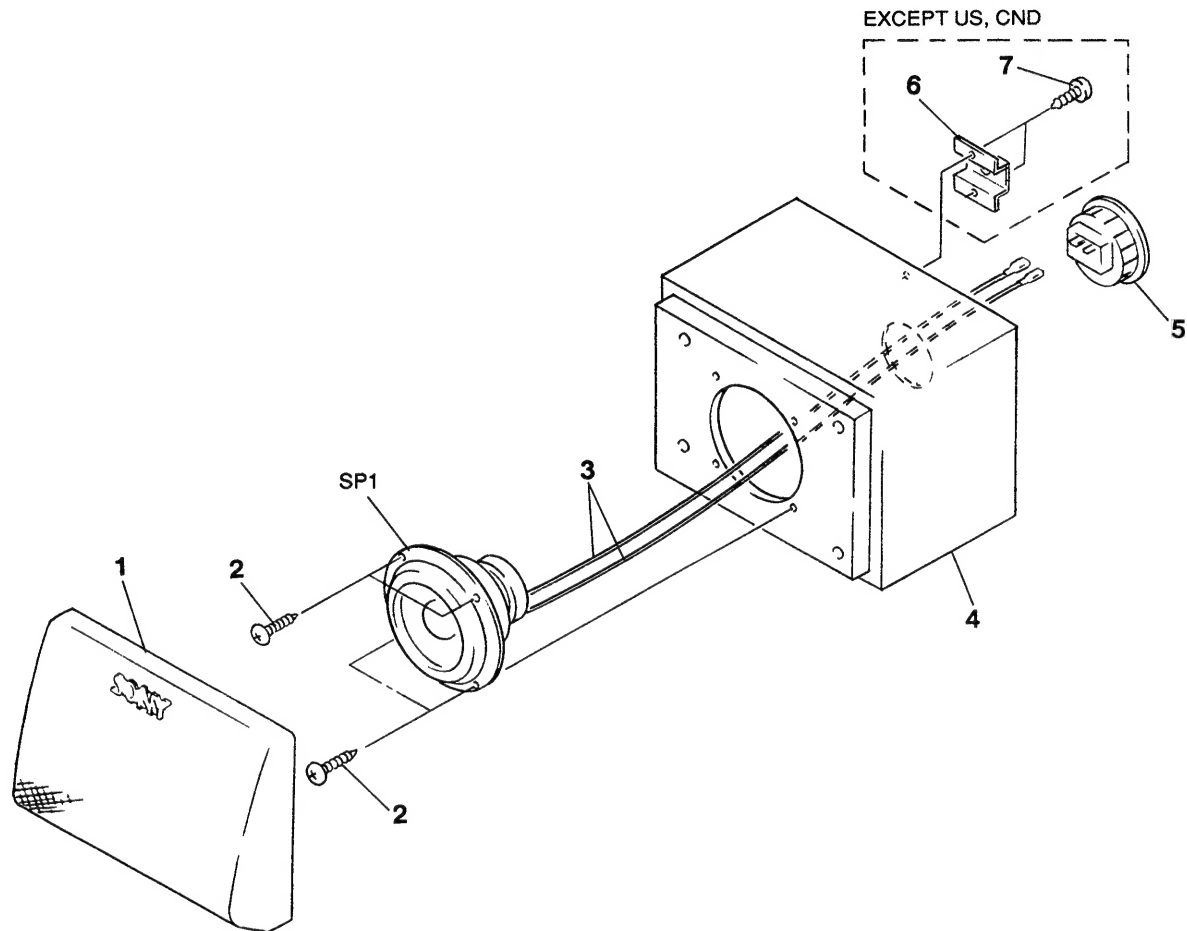
Design and specifications are subject to
change without notice.

SPEAKER SYSTEM
SONY®

EXPLODED VIEW

NOTE:

- Items marked “ * ” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Abbreviation
CND : Canadian model
G : German model



Ref.No.	Part No.	Description	Remark
1	4-983-075-01	GRILLE, FRONT	
2	4-874-614-11	SCREW +BVTP 3.5X14	
3	1-775-758-11	LEAD (WITH CONNECTOR)	
* 4	4-983-073-01	CABINET, SPEAKER (EXCEPT G)	
* 4	4-983-077-01	CABINET, SPEAKER (G)	
5	1-537-332-11	TERMINAL BOARD	
* 6	4-983-074-01	BRACKET, HOOK (EXCEPT US, CND)	
7	7-621-849-10	SCREW +P 3X12 TYPE4 (EXCEPT US, CND)	
SP1	1-505-341-11	SPEAKER (10CM) (WOOFER)	

Ref.No.	Part No.	Description	Remark
		ACCESSORIES & PACKING MATERIALS	

	1-751-347-11	CORD, CONNECTOR (10m)	
*	4-982-587-01	CUSHION (SR) (UPPER)	
*	4-982-588-01	CUSHION (SR) (LOWER)	